

DOCUMENT RESUME

ED 076 418

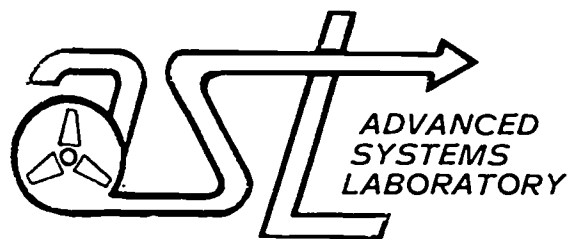
SE 016 062

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TITLE Automated Instructional Management Systems (AIMS)  
Version III, Program Logic Manual, Volume 1. Source  
Statement Flowcharts.  
INSTITUTION New York Inst. of Tech., Old Westbury.  
SPONS AGENCY Office of Education (DHEW), Washington, D.C. Bureau  
of Research.  
BUREAU NO BR-8-0157  
PUB DATE [73]  
CONTRACT OEC-0-8-080157-3691(010)  
NOTE 333p.  
EDRS PRICE MF-\$0.65 HC-\$13.16  
DESCRIPTORS \*Computer Assisted Instruction; \*Computer Programs;  
\*Computer Science; Instruction; \*Instructional Media;  
Instructional Technology; Management Information  
Systems; Mathematics Education; Programed  
Materials  
IDENTIFIERS \*Automated Instructional Management System

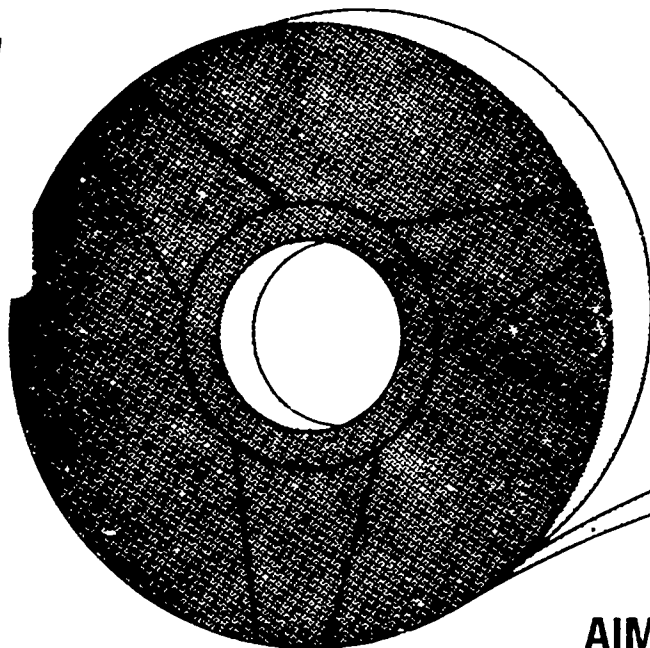
ABSTRACT

This manual for the Automated Instructional Management System - Version III includes source statement flowcharts for the system input control program and 12 system input subprograms, the operational input control program and 7 subprograms, and the output report generator and 19 subprograms. For related documents, see SE 016 059 through SE 016 064. (DT)

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# automated instructional management systems

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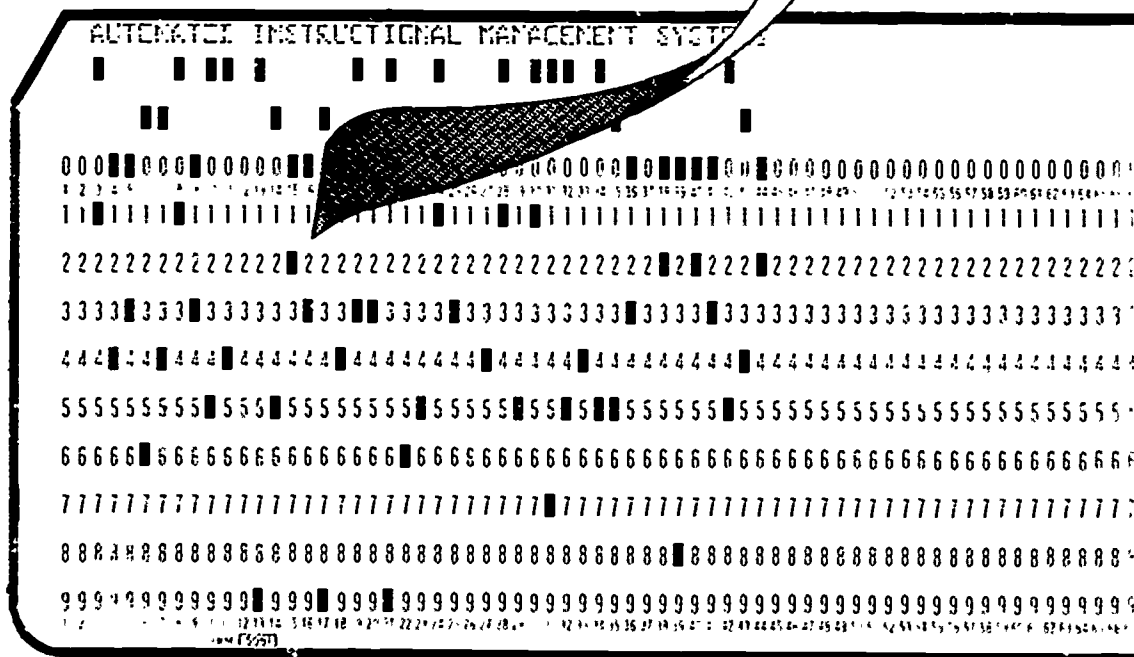
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AIMS VERSION III

PROGRAM LOGIC MANUAL

VOLUME I



NEW YORK INSTITUTE OF TECHNOLOGY  
OLD WESTBURY, NEW YORK

SE 016 062

ED 076418

AUTOMATED INSTRUCTIONAL MANAGEMENT SYSTEM

PROGRAM LOGIC MANUAL

SOURCE STATEMENT FLOWCHARTS

Prepared by the Staff of  
The Advanced Systems Laboratory

Ernest N. O'Dierno, Director

FOREWORD

- The Automated Instructional Management System (AIMS) was designed to monitor, score, and evaluate individual students, groups of students, and curricular content in a course environment designated for educational management.
- The AIMS System was designed around IBM System/360, and Version III was generated with Model 30/Release 20 IBM Disk Operating System (DOS).
- All source statement flowcharts contained in this manual have been developed with U.S. Office of Education funds under Research Contract No. OEC-0-8-080157-3691(010).

---

ADVANCED SYSTEMS LABORATORY  
New York Institute of Technology  
Old Westbury, L.I., New York

ADVANCED SYSTEMS LABORATORY  
 AIMS III PROGRAM LOGIC MANUAL  
 \*\*\*SOURCE STATEMENT FLOWCHARTS\*\*\*

A370-670  
 VOLUME 1

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 AIMC III PROGRAM LOGIC MANUAL  
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ADVANCED SYSTEMS LABORATORY  
AIMS III PROGRAM LOGIC MANUAL

A570-670  
Volume 1 - Section I

---

SECTION I

SYSTEM INPUT

CONTROL PROGRAM

I  
COMMON/SYSTEM/NLESS,NDECK,NPEX,NQUEST,NSTUD

COMMON/FILES/IFIL(15)

INTEGER P DATES(6)

INTEGER SEGMENT,CONTROL(14),PRNAME(7)

INTEGER \* 2 COLUMN(40),IN,IDENT

EQUIVALENCE (COLUMN(1),IA),(CARD(1),IC),  
(CARD(2),IC),(CARD(3),IC),(CARD(4),IC)

INTEGER CARD(4)

DATA SEGMENT/0/,IDENT/'( )',  
CONTROL/'HEAD','STUD','QUES','PROCT','DECK','YRCL','SECT','-I-','  
'-TO-','-LIS','INPU','DROP','ROST','LIST'/

DATA PRNAME/'MATH','ICR'/

DEFINE FILE 5(1500,33,0,15),  
6( 800,33,0,16),  
7( 200,100,0,17),  
8(4000,35,0,18),  
9( 250,23,0,19),  
10(8040,33,0,110),  
11( 500,23,0,111),  
12( 100,25,0,112)

I

I NLESS=40	I
I NDECK=10	I
I NPEX =2	I
I NQUEST =48	I
I NSTUD=165	I

I

I

+-----+

+ 00 +

+++++++ 7 +

+ I = 1,15 +

+-----+

+ I

+ I

+-----+

7 ++++++ I IFIL(1) =1	I
I IN =1	I
I ICUT =3	I

I

100

CONTINUE

I

(CONTINUED ON PAGE 2)



Page 1

```

      I
101      FORMAT(40A2)
102      FORMAT(1H1,5X,1*** 6IPS *** 66X,1J0,1X,2A4,1X,1A,1A,
      2A4/ 1H6,5X,40A2)
***      READ(10,101,END=9000) COLUMN
      I
      I
      . * .
      * IF *
      * (IA.NI.IDENT) *
      I * . * I
      I * . * I
      I * . * I
      - I      0 I      + I
-----
I GOT3100      I      I      I      I
-----

```

```

      CALL INFO(DATES)
***      WRITE(102,102) DATES,COLUMN
      CALL IMAGE(COLUMN,CARD)
      I
      I
      . * .
      * IF *
      * (IB.NI.CONTRO(1)) *
      I * . * I
      I * . * I
      I * . * I
      - I      0 I      + I
-----
I GOT31000      I      I      I      I
-----

```

```

      CONTINUE
      I
      (CONTINUED ON PAGE 3)

```

500

1 SEP 1947

766

I 100 I

(CONTINUED) ON PAGE 4)

11 12 13

14 15 16

1

\*\*\*\*\*

8 CONTINUE

11 12 13

14 15 16

1

\*\*\*\*\*

CONTINUED

1

51

```

      I
      I
      I
      . * .
      . * IF * .
      * (IC.NF.CNTR0(12)) *
      I * . * I
      I * . * I
      I * . * I
      - I      0 I      + I
      -----
      I GOT01000 I      I      I      I
      -----
  
```

```

      I
      I
      I
      . * .
      . * IF * .
      * (SEGOUT.FQ.2) *
      I * . * I
      I * . * I
      I * . * I
      - I      0 I      + I
      -----
      I CONT01500 I      I      I      I
      -----
  
```

CALL OPSYS('LOAD', 'AIMSCLAS')

```

      I
      -----
      I SEGMENT =2 I
      -----
      I
  
```

500

CONTINUE

```

      I
      I
      I
      . * .
      . * IF * .
      * (IC.NF.CNTR0(13)) *
      I * . * I
      I * . * I
      I * . * I
      - I      0 I      + I
      -----
      I GOT 1700 I      I      I      I
      -----
  
```

CALL LIST

(CONTINUED ON PAGE 5)

```

      I
      I
      -----
      I 120 I
      -----
  
```

CONTINUE

```

      I
      I
      . * * .
      . * IF * .
      * (ID.EQ.0) *
      I * . * I
      I * . * I
      I * . * I
      - I      C I      + I
      -----
      I ID=11      I      I      I
      -----
  
```

```

      I
      I
      . * * .
      . * IF * .
      * (ID.EQ.1.OR.ID.EQ.13)
      I * . * I
      I * . * I
      I * . * I
      - I      C I      + I
      -----
      I GETC1300      I      I      I
      -----
  
```

CALL ERROR(PNAME,0,2,ID)

```

      I
      -----
      I 120 I
      -----
  
```

CONTINUE

(CONTINUED ON PAGE 7)

三  
二  
一

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三  
二  
一

I

1. (1994) *Journal of the American Academy of Child and Adolescent Psychiatry*, 33, 1033-1041.

1

111

1

2 150 1

# I

(CONTINUED) IN PAGE 8)

```

      I
      I
      I
      * * *
      * * IF *
      *(IP.WE.CONTRG(3)) *
      I * . * * I
      I * . * * I
      I * . * * I
      - I      0 I      + I
      -----
      I GOTG1600 I      I      I      I
      -----
  
```

```

      I
      I
      I
      * * *
      * * IF *
      *(SEGMENT.FG.3) *
      I * . * * I
      I * . * * I
      I * . * * I
      - I      0 I      + I
      -----
      I GOTG1500 I      I      I      I
      -----
  
```

CALL GPSYS('LOAD','AIRSQUST')

CONTINUE

```

      I
      I
      I
      * * *
      * * IF *
      *(IC.WE.CONTRG(6)) *
      I * . * * I
      I * . * * I
      I * . * * I
      - I      0 I      + I
      -----
      I GOTG1700 I      I      I      I
      -----
  
```

(CONTINUED ON PAGE 9)

```

      I
      I
      I
      . * .
      . * IF * .
      . * (IC,IC,0) * .
      I * .      . * I
      I * .      . * I
      I * .      . * I
      - I      C I      + I
      -----
      I IC=11 I      I      I      I
      -----
  
```

```

      I
      I
      . * .
      . * IF * .
      . * (IC,IC,1,IC,IC,13) * .
      I * .      . * I
      I * .      . * I
      I * .      . * I
      - I      C I      + I
      -----
      I ICIC1600 I      I      I      I
      -----
  
```

CALL GREDR(P JAME,0,2,IC)

```

      I
      -----
      I 100 I
      -----
  
```

CALL MRED1(IC,IF)

```

      I
      -----
      I 100 I
      -----
  
```

CONTINUE  
I  
(CONTINUED ON PAGE 10)



PAGE 1

```

      I
      I
      I
      * * *
      * * IF *
      * (IC.NE.COM.IF2(9)) *
      I * * * * I
      I * * * * I
      I * * * * I
      - I      0 I      + I
-----
I GOTG1900  I      I      I      I
-----

```

CALL MBGLST

I

I 100 I

700

CONTINUE

```

      I
      I
      * * *
      * * IF *
      * (IC.NE.CENTRO(10)) *
      I * * * * I
      I * * * * I
      I * * * * I
      - I      0 I      + I
-----
I GOTG1000  I      I      I      I
-----

```

CALL QLIST

I

I 100 I

700

CONTINUE

I

(CONTINUED ON PAGE 11)

```

      I
      I
      I
      . * .
      . * IF * .
      *(IF.NE.CONTRO(4)) *
      I * . * I
      I * . * I
      I * . * I
      - I      0 I      + I
-----
I GETJ1000 I      I      I      I
-----

```

CALL OPSYS('LOAD','ALPSP'CL')

I SEGMENT =4

CALL PROCES(10)

I 100 I

000

CONTINUE

```

      I
      I
      . * .
      . * IF * .
      *(IB.NE.C NTRD(14)) *
      I * . * I
      I * . * I
      I * . * I
      - I      0 I      + I
-----
I GETJ1000 I      I      I      I
-----

```

I  
(CONTINUED ON PAGE 12)

三  
二  
一

三  
二  
一

I

209

1

700

EC-115-10512-0149004

1

111  
112

.000

END

FACEBACK FOLLOWS-

TSN

REG. 15  
00005758

REF. 0  
00000001

950. 1  
00000000

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ADVANCED SYSTEMS LABORATORY  
AIMS III PROGRAM LOGIC MANUAL

A370-670  
Volume 1 - Section II

---

SECTION II

SYSTEM INPUT

SUBPROGRAMS

\*\*\* PROGRAM LOGIC MANUAL \*\*\* A.L.S. VERSION III \*\*\*

I

\*\*\* PROGRAM LOGIC MANUAL \*\*\* A.L.S. VERSION III \*\*\*

SUBROUTINE HEADER

COMMON/SYSTEM/LESS, ANECK, NREX, REQUEST, NCTOP

COMMON/FILES/IN1(2), IPRINT, IN2(2), IFILL, IN3, IPRINT, IN4(3), IYNS,  
IN5, ITAPE, IN6

INTEGER CAFE

INTEGER \* 2 RECORD(65,100), RECORD2(55), PTR(50), NQ(10)

INTEGER \* 2 LPERM, NPERM, LTEMP, NTEMP, NPSGIG

INTEGER \* 2 SSMAP(4,400), DELET(3), ANOP, ANOP, CROP,  
IRFCD(4), QRECD, QSTION(70)

INTEGER RNAME(2), CFLAG, RECD, RCT, SNAME(2)

DATA RNAME/'HEAD','CR'/, DELET/'DE','TE','T'/, ANOP/1/, 200/0/

DATA QSTION/40\*0,50\*1/, SNAME/'STOR','T'/

INTEGER \* 2 NUMBEP(2), LESSON, SEGMENT, TYPE, COURSE, SEQNCE,  
SORD, SELECT, GRADES, QUESTS, RESPNS(48), LABEL(2), NQ(2),  
QPTR

INTEGER HEADNG(4,2), ANSWER(2,48), BLANK, RCD, ISTART(2),  
DATE(6), CROPPD(2,2), COND(2)

INTEGER \* 2 QREX(70)

DATA HEADNG/'PERM','ANEN','T FI','LA','TEMP','ORAR','Y FI','T'/

DATA BLANK/' ', ISTART/1,401/, LABEL/'S','S'/, BL(8/'S','S'/,  
/, DRUPPD/' ', 'DELF','TED' /, COND/'A-OK','STOP'/

EQUIVALENCE (LESSON, RECORD2(1)), (SEGMENT, RECORD2(1))  
, (TYPE, RECORD2(4)), (COURSE, RECORD2(5))  
, (SEQNCE, RECORD2(6)), (SORD, RECORD2(10))  
, (SELECT, RECORD2(11)), (GRADES, RECORD2(12))  
, (QUESTS, RECORD2(13)), (RESPNS(1), RECORD2(19))  
, (QPTR, RECORD2(8))

\*\*\* REWIND ITAPE

\*\*\* READ(1SYS\*2) LPERM, NPERM, LTEMP, NTEMP

\*\*\* READ(1SYS\*3) PTRS

\*\*\* READ(1SYS\*4) NQS

I

CFLAG

I

(CONTINUED ON PAGE 2)

\*\*\* PRO LOGIC MANUAL \*\*\* 1.1. 1.3. VERSION III \*\*\*

I  
NEW=0

I NORECS =ITPP

I  
CALL CTIB(RECORD,NUM,LOC)

I  
I  
\* \* \*  
\* IF \*  
\* (NUM.LT.1) \*

I	*		*	I
I	*		*	I
I	*		*	I
- I		0 I		+ I
I	GCT0100	I	I	I

DO 2000 CARD = 1,NUM

I  
I  
\* \* \*  
\* IF \*  
\* (RECORD(1,CARD).GT.LPFRM)

I	*		*	I
I	*		*	I
I	*		*	I
- I		0 I		+ I
I	GCT0100	I	I	I

I  
I LESS =RECORD(1,CARD)  
I I1 =PTPS(LESS)  
I I2 =NOS(LESS)+I1-1

I  
I  
+-----+  
+ DO +  
+++++++ 400 +  
+ + NR = I1 , I2 +  
+ +-----+  
+ I  
+  
+ \*\*\* READ(IFILE\*NR) RECORD2  
+  
+ (CONTINUED ON PAGE 3)

PROGRAM LOGIC MANUAL \*\*\*\* A.I.P.S. VERSION III \*\*\*\*

```

+
+       I
+       I
+       +-----+
+       + 00      +
+ ++++++ 300      +
+       + J = 3,4  +
+       +-----+
+       I
+       I
+       I
+       . * .
+       . * IF . *
+       *(RCORD2(J).NE.RECORD(J,CARD))
+       I * .      * I
+       I * .      * I
+       I * .      * I
+       - I      0 I      + I
+ -----
+ I GOT0100      I      I      I      I
+ -----

```

```

300 ++++++ CONTINUE
+
+       I
+       I
+       . * .
+       . * IF . *
+       *(RCORD2(5).NE.RECORD(5,CARD))
+       I * .      * I
+       I * .      * I
+       I * .      * I
+       - I      0 I      + I
+ -----
+ I GOT0150      I      I      I      I
+ -----

```

```

+
+       I
+       I
+       . * .
+       . * IF . *
+       *(RCORD2(6).NE.RECORD(6,CARD))
+       I * .      * I
+       I * .      * I
+       I * .      * I
+       - I      0 I      + I
+ -----
+ I GOT0150      I      I      I      I
+ -----

```

(CONTINUED ON PAGE 4)

+ I  
+ I  
(CONTINUED ON PAGE 5)





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55) ++++++ CONTINUE

406

(CONTINUED ON PAGE 7)

\*\*\* PROGRAM LOGIC MANUAL \*\*\* 4.1.4.5. VERSION III

• • • • •

19

```

+
+               I
+               I
+               I
+       . *   * .
+     . *   [F] * .
+    *(ECORD(I).NE.PECORD(I,CASE))
+      I * .           * I
+      I   * .         I
+      I           *   I
+ - I             O I   + I
+ -----
+ I GOT LOC      I      I      I      I
+ -----

```

700 ++++++ CONTINUE

```
+      I  
+-----  
+ I DROP = 1  
+-----  
+      I  
+  
+ *** WRITE (IFILE'NR)  NCGC02,DROP  
+      I  
+-----  
+ I CHECK =CHECK-1  
+-----  
+      I  
+      I  
+-----  
+ I ZOOOI
```

300 ++++++ CONTINUE

```

      I
-----
      I I      =RECORD( 3,CARD)
      I J      =RECORD( 4,CARD)
      I EFLAG=1
-----
      I

      CALL ERPGO(RNAME,0,3,LESS,J,K)
      I
-----
      I 2000I

```

900 CONTINUE

( CONTINUED ON PAGE 9)



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\*\*\* PROGRAM LOGIC MANUAL \*\*\* A.I.M.L. VERSION III \*\*\*

```

      I
      |
      +-----+
      + 0.3          +
+++++++ 1150      +
+       + I = 3,4   +
+       +-----+
+               I
+               I
+               I
+           . * * .
+         . *   If   * .
+       *(CPR2(I),RUCPR2(I,CARD))
+     I * .             * I
+     I * .             * I
+     I * .             * I
+ - I           0.1        + I
+ -----
+ I GJT61209  I          I          I
+ -----
+
+
150 ***** CONTINUE

*** WRITE(IFILE,NR) (RUCOPE(I,CARD),I=1,65),'P'
      I
      -----
      I 200GI

```

200 CONTINUE

1500 CONTINUE

```

      I
-----
I  I      =VER+NCHCK+NPERM
-----

      I
      I
      I
      . * * .
      . * IF * .
      * (I.LI.400) *
      I * . * I
      I * . * I
      I * . * I
      - I      0 I      + I
-----
I  CCF01600  I      I      I      I
-----

      I
-----
I  I      =REC0F0(3,CARD)
-----

```

\*\*\* P 3 P 2 LOGIC MANUAL \*\*\* A.1.1.5.2. VERSION III \*\*\*

I  
J=RECORD(4,CARD)  
I

-----  
I FLAG=1  
-----

I  
CALL PRGR(FNAME,0,5,LFSS,I,J)  
I

-----  
I 20001  
-----

600  
CONTINUE  
I

-----  
I NEW =AFK+1  
-----

I  
SRTHAP(1,NEW) = RECORD(1,CARD)

SRTHAP(2,NEW) = RECORD(3,CARD)

SRTHAP(3,NEW) = RECORD(4,CARD)

SRTHAP(4,NEW) = 0

\*\*\* WRITE(ITAPE) (RECORD(I,CARD),I = 1,55)

2000  
CONTINUE  
I

I  
I

. \* \* .  
\* IF \*  
\* (LCI.EQ.0) \*

1 \* . \* 1  
1 \* . \* 1  
1 \* \* 1  
- 1 0 1 + 1

-----  
I GGTG100  
-----

-----  
I I  
-----

-----  
I I  
-----

I  
(CONTINUED ON PAGE 11)

ARMY PROGRAM LOGIC MANUAL \*\*\* A.I.V.S. VERSION III \*\*\*

PA 11

```

      I
      I
      I
      * * *
      * IF *
      * (TEMP.LE.0) *
      I * * * I
      I * * * I
      I * * * I
      - I      0 I      + I
      -----
      I GOTO 1300      I      I      I      I
      -----
  
```

```

      I
      I
      -----
      I 11 =401
      I 12 =TEMP+11-1
      -----
  
```

```

      I
      I
      +-----+
      + 00 +
      +-----+
      + 2200 +
      +-----+
      + I = 11 , I2 +
      +-----+
      I
      *** READ(1,FILE*1) RECORD2,CHECK
      I
      I
      * * *
      * IF *
      * (CHECK.NE.0) *
      I * * * I
      I * * * I
      I * * * I
      - I      0 I      + I
      -----
      I GOTO 1200      I      I      I      I
      -----
  
```

```

      I
      -----
      I NEW =NEW+1
      -----
  
```

```

      I
      SRTMAP(1,NEW) = RECORD2(1)
      SRTMAP(2,NEW) = RECORD2(3)
      SRTMAP(3,NEW) = RECORD2(4)
      SRTMAP(4,NEW) = 0
      I
  
```

(CONTINUED ON PAGE 12)

\*\*\*\*\* P. C. RAM LOGIC MANUAL \*\*\*\*\* A.I.S.S. VERSION III \*\*\*\*\* 011, 12

```
+
+
+
+ *** WRITE( ITAPE) PCCR02,CHECK
```

290 ++++++ CONTINUE

```

      I
      I
      . * * .
      . * IF * .
      * (NCR,LF,0) *
      I * . * I
      I * . * I
      I * * I
      - I 0 I + I
-----
I GOTU1200 I I I

```

END FILE ITAPE

\*\*\* REJIND ITAPE

00 3000 IP03 = 1, N-W  
1

```

+-----+
+ DO +
+++++ 2400 +
+ I = 1, NEW +
+-----+
+
+ I
+
+ I
+
+ I
+
+ . * * .
+ . * IF * .
+ *(SRTMAP(4,1).NE.0) *
+ I * . * I
+ I . * . * I
+ I * * I
+ - I O I + I
+-----+
+ I SORT1400 I I I I
+-----+

```

+	
+	
+	
+	I IWH = I
+	
+	
+	

(CONTINUED ON PAGE 13)





\*\*\* D 2 - THE LOGIC MANUAL \*\*\* I. 5. VERSION III \*\*\*

PAGE 14

```

+
+      I
+      I
+      I
+      . * * .
+      . * IF . * .
+      *(SRTMAP(4,I)-HE.2) *
+      1 * .      . * 1
+      1 * .      . * 1
+      1 * .      . * 1
+      - I      0 I      + I
+-----+-----+-----+
+ I GOTCI900 I      I      I      I
+-----+-----+-----+

```

```

+
+      I
+      I
+      . * * .
+      . * IF . * .
+      *(SRTMAP(1,IWH)-SRTMAP(1,I))
+      1 * .      . * 1
+      1 * .      . * 1
+      1 * .      . * 1
+      - I      0 I      + I
+-----+-----+-----+
+ I 2900I      I 2700I      I 2850I
+-----+-----+-----+

```

```

+
+      I
+      I
+      . * * .
+      . * IF . * .
+      *(SRTMAP(2,IWH)-SRTMAP(2,I))
+      1 * .      . * 1
+      1 * .      . * 1
+      1 * .      . * 1
+      - I      0 I      + I
+-----+-----+-----+
+ I 2900I      I 2750I      I 2850I
+-----+-----+-----+

```

```

+
+      I
+      I
+      . * * .
+      . * IF . * .
+      *(SRTMAP(3,IWH)-SRTMAP(3,I))
+      1 * .      . * 1
+      1 * .      . * 1
+      1 * .      . * 1
+      - I      0 I      + I
+-----+-----+-----+
+ I 2900I      I 2900I      I 2850I
+-----+-----+-----+

```

(CONTINUED ON PAGE 15)



\*\*\*\*\* BASIC I/O MANUAL \*\*\*\*\*

```

      I
      I
      +-----+
      + 00      +
      +-----+
      + 4000      +
      + I = 401, 12 +
      +-----+
      I
      *** READ(IFILE'I) IRECD
      I
      I
      . * * .
      . * IF * .
      * (KOUNT.EQ.0) *
      I * . * * I
      I * . * * I
      I * . * * I
      - I      0 I      + I
      +-----+
      I 000000 I I I I
      +-----+
  
```

```

      I
      I
      . * * .
      . * IF * .
      * (I-1)-LAST *
      I * . * * I
      I * . * * I
      I * . * * I
      - I      0 I      + I
      +-----+
      I 34001 I 35001 I 37001
      +-----+
  
```

```

      3400 +
      + CONTINUE
      + I
      +-----+
      + I J = IRECD(1) I
      +-----+
      + I
      + CALL ERROR(RNAME,0,-1,I,LAST,J)
      + I
      +-----+
      + I 39501
      +-----+
  
```

```

      I
      +-----+
      + I KOUNT=KOUNT+1 I
      +-----+
      I
      I
  
```

(CONTINUED ON PAGE 17)

\*\*\* PROGRAM LOGIC MANUAL \*\*\* A.I. .S. VERSION III \*\*\*

```

+
+      I
+      I
+      I
+      . * * .
+      . * IF * .
+      *(IP-CD(3).NE.LAST3)*
+      I * .      . * I
+      I * .      . * I
+      I * .      . * I
+      - I      0 I      + I
+-----+-----+-----+
+ I GOTO1600 I I I I
+-----+-----+-----+

```

```

+
+      I
+      I
+      . * * .
+      . * IF * .
+      *(IRFCD(4).NE.LAST4)*
+      I * .      . * I
+      I * .      . * I
+      I * .      . * I
+      - I      0 I      + I
+-----+-----+-----+
+ I GOTO1600 I I I I
+-----+-----+-----+

```

```

+
+      I
+-----+-----+-----+
+ I EFLAG=1 I
+ I J =[-400 I
+-----+-----+-----+

```

```

+
+      I
+      CALL ERROR(RNAME,0,6,J,LAST,LAST3,LAST4)
+

```

500 CONTINUE

```

+
+      I
+      I
+      . * * .
+      . * IF * .
+      *(KOUNT.LE.NDECK)*
+      I * .      . * I
+      I * .      . * I
+      I * .      . * I
+      - I      0 I      + I
+-----+-----+-----+
+ I GOTO1950 I I I I
+-----+-----+-----+

```

```

+
+      I
+-----+-----+-----+
+ I EFLAG=1 I
+-----+-----+-----+

```





I  
(CONTINUED ON PAGE 29)



\*\*\* P O R M A T I C M A N U A L \*\*\* A. I. N. S. V E R S I O N I I I

+  
+  
I  
1000 ++++++PTRS(I)=0

1000 CONTINUE

I  
-----  
I ERFLG =EFLAG  
-----  
I

\*\*\* LP(TE(ISYS'2) LPERM, NPERM, LTERP, NTERP, ERFLG

\*\*\* WRITE(ISYS'3) PTRS

\*\*\* WRITE(ISYS'4) VOS

1000 CONTINUE

I  
-----  
I 6000  
-----

ENTRY STORE

\*\*\* READ(ISYS'2) LPERM, NPERM, LTERP, NTERP, ERFLG

I  
I  
\* \* \*  
\* \* IF \* \*  
\* (ERFLG.EQ.0) \*  
I \* \* \* \* I  
I \* \* \* \* I  
I \* \* \* \* I  
- I 0 I + I  
-----  
I GOTO 1000 I I I  
-----

CALL ERFOR(SNAME,0,1)

I  
-----  
I 6000  
-----

I  
(CONTINUED ON PAGE 21)



\*\*\* PROGRAM LOGIC MANUAL \*\*\* A.I.P.S. VERSION III \*\*\*

```

      I
      I
      I
      . * .
      . * IF .
      *(LAST.EC.RECORD(1))*
      I * . * I
      I * . * I
      I * . * I
      - 1      0 I      + I
      -----
      I OCTO1900      I      I      I      I
      -----
  
```

```

      I
      -----
      I NUS(LAST) =KOUNT      I
      -----
  
```

100

```

      I
      -----
      I LAST =RCORD2(1)      I
      -----
  
```

```

      I
      *** PTRS(LAST) = NPERM
      I
  
```

```

      -----
      I KOUNT=1      I
      -----
  
```

```

      I
      I
      -----
      I 5500I
      -----
  
```

```

      I
      CONTINUE
      I
  
```

```

      -----
      I KOUNT=KOUNT+1      I
      -----
  
```

```

      I
      CONTINUE
      I
  
```

```

      -----
      I IQ2 =RCORD2(13)      I
      I QSTION(1) =RCORD2(1)      I
      I QSTION(2) =RCORD2(3)      I
      I QSTION(3) =RCORD2(4)      I
      I QSTION(4) =RCORD2(5)      I
      -----
  
```

(CONTINUED ON PAGE 23)

\*\*\* PROGRAM LOGIC MANUAL \*\*\* A.I.V. 1. VERSION III \*\*\*

```

      I
      I
      +-----+
      + 00      +
      ++++++++ 5300 +
      + * I = 1 , 102 +
      +-----+
      +      I      +
      +      I      +
      +-----+
      + I 11  =ORECND+1      I
      + I QSTION(5) =1      I
      +-----+
      +      I      +
      +      +-----+
      +      QSTION(12) = RCORD2(1+17)
      +      I
      +      I
      +      . * * .
      +      . * IF * .
      +      * (11.11.4000) *
      +      I * .      * I
      +      I * .      * I
      +      I * .      * I
      +      - I      0 I      + I
      +-----+
      + I QSTION(1300) I I I I
      +-----+
      +      I
      +-----+
      + I J      =NPERM      I
      + I K      =RCORD2(1)      I
      + I L      =RCORD2(3)      I
      + I M      =RCORD2(4)      I
      +-----+
      +      I
      +      +-----+
      +      CALL ERROR(SNAME,1,-1,J,K,L,M)
      +
      + 400 ++++++ WRITE(IQUEST*11) QSTION
      +
      + *** RCORD2(7) = 0
      +
      + *** RCORD2(8) = ORECND + 1
      +      I
      +-----+
      + I ORECND =ORECND+102      I
      +-----+
      +      I
      +
      + *** WRITE(IFILE*NPERM) RCORD2
      +      I
      +-----+
      + I DROP =1      I
      +-----+
      +      I
      +      I
  
```

\*\*\* PROGRAM LOGIC MANUAL \*\*\* A.L.M.S. VERSION III \*\*\*

I  
 \*\*\* WRITE(IFILE'RED) RECORD , UPDP  
 CONTINUE  
 I

-----  
 I NUS(LAST) =KJNT I  
 I LTEMP=0 I  
 I NTEMP=0 I  
 I LPERM=LAST I  
 I ERKFLG =1 I  
 -----

I  
 \*\*\* WRITE(ISYS'2) LPERM, NPERM, LTEMP, NTEMP, LRFLO  
 \*\*\* WRITE(ISYS'3) PTRS  
 \*\*\* WRITE(ISYS'4) NOS  
 \*\*\* WRITE(ISYS'5) QRECNO

ENTRY HOLIST

CONTINUE

\*\*\* READ(ISYS'2) LPERM, NUMBER(1), LTEMP, NUMBER(2), ERKFLG  
 I

-----  
 I IPAGE=0 I  
 -----

CALL INFO(DATE)

DO 9000 RED = 1 , 2

-----  
 I IH =0 I  
 -----

I  
 I  
 I  
 . \* .  
 . \* IF \* .  
 \*(NUMBER(RED).LE.0) \*

I \* . \* I  
 I \* . \* I  
 I \* . \* I  
 - I 0 I + I

-----  
 I GOTO1000 I I I I  
 -----

I  
 -----  
 I (I) -ISTART(RED)

(CONTINUED ON PAGE 25)

\*\*\* PROGRAM LOGIC MANUAL \*\*\* A.I.E.S. VERSION III \*\*\*

```

      I
      I2=I1-1+NUMBER(REF)

```

```

      DO 2000 IRX = I1, I2

```

```

      I
      I
      * * *
      * IF *
      * (14.GT.0) *
      I * * * I
      I * * * I
      I * * * I
      - I      0 I      + I
      -----
      I GSTC1000 I      I      I      I
      -----

```

```

      I
      -----
      I IPAGE=IPAGE+1 I
      -----

```

```

      *** WRITE(IPRINT,6999) DATE ,(HEADNG(J,REF),J=1,4),IPAGE

```

```

      I
      -----
      I IH =4 I
      -----

```

```

      CONTINUE

```

```

      I
      -----
      I IH =IH-1 I
      -----

```

```

      *** READ(IFILE*IRX) RCORD2 , DROP

```

```

      I
      +-----+
      + 00 +
      +-----+
      + I = 1 , QUESTS +
      +-----+
      I

```

```

      1500 +-----+ CALL LSTCDE(RFSPNS(I),ANSWER(I,I))

```

```

      I
      -----
      I J2 =IRX-I1+1 I
      I J3 =SORD+1 I
      I J4 =DROP+1 I
      -----

```

```

      *** WRITE (IPRINT,7999) COURSE , LESSON , SEQMNT , TYPE ,
      SEQNCE , LABEL(SEQNCE) , J2 , QUESTS , QLAB(J3) , GRADES
      , SELECT , (DROPPD(J,J4),J=1,2)

```

(CONTINUED ON PAGE 26)

\*\*\* PROGRAM LOGIC MANUAL \*\*\*\* A.I.P.S. VERSION III \*\*\*\* PAGE

```

      I
      I
      I
      . * * .
      . * IF * .
      * (QUESTS.GT.12) *
      1 * . * 1
      1 * . * 1
      1 * . * 1
      - 1      0 1      + 1
      -----
      I GOTO1700  I      I      I      I
      -----

```

```

*** WRITE(IPRINT,8001) (J,J=1,QUESTS)
*** WRITE (IPRINT,8002) ((ANSWER(J,K),J=1,2),K=1,QUESTS)
*** WRITE (IPRINT,8003)
*** WRITE (IPRINT,8003)
*** WRITE (IPRINT,8003)
*** WRITE(IPRINT,8003)
      I
      -----
      I 80001
      -----

```

```

      I
      I
      I
      . * * .
      . * IF * .
      * (QUESTS.GT.24) *
      1 * . * 1
      1 * . * 1
      1 * . * 1
      - 1      0 1      + 1
      -----
      I GOTO1800  I      I      I      I
      -----

```

```

*** WRITE (IPRINT,8001) (J,J=1,12)
*** WRITE (IPRINT,8002) ((ANSWER (J,K),J=1,2),K=1,12)
*** WRITE (IPRINT,8001) (J,J=13,QUESTS)
*** WRITE(IPRINT,8002) ((ANSWER(J,K),J=1,2),K=13, QUESTS)
      I

```

(CONTINUED ON PAGE 27)

\*\*\* P. 0000 LOGIC MANUAL \*\*\* P. 0000 0000 0000 0000

```

I
*** WRITE (IPRINT,8003)
*** WRITE (IPRINT,8003)
*** WRITE (IPRINT,8003)

```

```

I
-----
I 8000I
-----

```

7800

```

I
I
. * * .
. * * * .
* (QUESTS.GT.30) *
I * . * * I
I * * . * * I
I * * * * I
- I 0 I + I
-----
I GOTO 1900 I I I I
-----

```

```

*** WRITE (IPRINT,8001) (J,J=1,12)
*** WRITE (IPRINT,8002) ((ANSWER (J,K),J=1,2),K=1,12)
*** WRITE (IPRINT,8001) (J,J=13,24)
*** WRITE (IPRINT,8002) ((ANSWER(J,K),J=1,2),K=13,24)
*** WRITE (IPRINT,8001) (J,J=25,QUESTS)
*** WRITE (IPRINT,8002) ((ANSWER (J,K),J=1,2),K=25,QUESTS)
*** WRITE (IPRINT,8003)
*** WRITE (IPRINT,8003)

```

```

I
-----
I 8000I
-----

```

900

CONTINUE

```

*** WRITE (IPRINT,8001) (J,J=1,12)
*** WRITE (IPRINT,8002) ((ANSWER(J,K),J=1,2),K=1,12)

```

(CONTINUED ON PAGE 28)



\*\*\* PROGRAM LOGIC MANUAL \*\*\* A.L.R.S. VERSION III \*\*\*

```

      I
***  WRITE (IPRINT,8001) (J,J=13,24)
***  WRITE (IPRINT,8002) ((ANSWER(J,K),J=1,2),K=13,24)
***  WRITE (IPRINT,8001) (J,J=25,36)
***  WRITE (IPRINT,8002) ((ANSWER(J,K),J=1,2),K=25,36)
***  WRITE (IPRINT,8001) (J,J=37,40) STS)
***  WRITE (IPRINT,8002) ((ANSWER(J,K),J=1,2),K=37,40) STS)
***  WRITE(IPRINT,8003)

```

GOO

CONTINUE

```

      I
      I
      *
      *
      * IF *
      * (H.GT.O) *
      I *
      I *
      I *
      - I      0 I      + I
      -----
      I GOTO1500  I      I      I      I
      -----

```

```

      I
      -----
      I IPAGE=IPAGE+1
      -----
      I

```

\*\*\* WRITE (IPRINT,6999) DATE , (HEADING(J,RED),J=1,4),IPAGE

CONTINUE

\*\*\* WRITE (IPRINT,3501) NUMBER(RED)

```

      I
      I
      *
      *
      * IF *
      * (RED.EQ.1) *
      I *
      I *
      I *
      - I      0 I      + I
      -----
      I GOTO1000  I      I      I      I
      -----

```

```

      I
      -----
      I K =FRRFLG+1
      -----

```

(CONTINUED ON PAGE 29)

\*\*\* PROGRAM LOGIC MANUAL \*\*\* A.I.C.S. SESSION III \*\*\*

```

      *** WRITE ( IPRINT,8999) COND(K)

```

```

      CONTINUE

```

```

      *** RETURN

```

```

      FORMAT(1H) , 7X , '*** ', 'AIMS COURSE DESCRIPTION' ,
      ' ***' , 5X , 'JOB' , 2X , 2A4 , 2X , 2X ,
      1X , 2A4 / 13X , 4A4 , 61X , 'PART' ,
      14 / / )

```

```

      FORMAT( 10X , 'COURSE' , 1X , 12 , 11X , 'LESSON' , 1X ,
      12 , 11X , 'SEGMENT' , 1X , 12 , 10X , 'TYPE' , 1X ,
      11 , 4X , 'CONSISTS OF' , 12 , 1X , 'CARD' , 12 ,
      5X , 'RECORD' , 14 /
      10X , 'THERE ARE' , 13 , 1X , 'QUESTIONS, EACH OF UP TO' ,
      1X , 42 , 1X , 'ANSWERS.' , 14 , 1X , 'WILL BE GRADED.' ,
      2X , 'THERE ARE' , 14 , 1X , 'POSSIBLE SELECTIONS.' , 2X ,
      2A4 )

```

```

      FORMAT( 11(/) , 1X , 'THERE ARE' , 14 , 1X ,
      'RECORDS IN THIS FILE' )

```

```

      FORMAT(2X,11(12,9X),12)

```

```

      FORMAT(3X,11(2A4,3X),2A4)

```

```

      FORMAT(/)

```

```

      FORMAT( 13X , 'THE CONDITION IS' , 1X , 44)

```

```

      END

```

```

      SUBROUTINE CTIO(RECD,NUM,LCI)

```

```

      COMMON/FILES/IW1(12),IH , IW2(2)

```

```

      INTEGER * 2 RECD(65,100)

```

```

      ***REWIND IH

```

```

      I LCI =1
      I NUM =0

```

```

      I
      I
      +-----+
      + DO      +
      +-----+
      + 500      +
      + I = 1,100 +
      +-----+
      + I
      + I
      +-----+
      + I READ(IH,FND =1000)(RECD(L,I),L=1,65) 1
      +-----+
      + I

```

(CONTINUED ON PAGE 30)

\*\*\* PROGRAM LOGIC MANUAL \*\*\* A.L.S. WHEELING ILL \*\*\*

+

+

+

ALL 421

SJC +++++ CONTINUE

1 LCI = 0

CONTINUE

\*\*\*RF:IND IH

\*\*\* RETURN

210

SUBROUTINE INPUT(INDEX)

COMMON/SYSTEM/NLESS,NOECK,UREX,NOUJST,NOTUD

COMMON/FILE5/IVL(2),IP2INT,IR2(5),IFILE,IR3(2),ISYS,IS4(3)

INTEGERS \* 2 VINYL, NINECS

```
INTEGER * 2 NAME(13),IDNO(5),SATM,SATV,LVR,RADK,ALGE,GRPA,FPI-,
ALGI,CALC,PHYS,IQ,READ,COMMENT(6), COURSE , CAPIN , ESCOED(5)
, CHEM ,NAVRNK , MTHACH , STUDIO , SECIND(65)
```

```

EQUIVALENCE (COURSE,RECORD(5)) , (NAME(1),RECORD(6)) ,
(IONO(1),RECORD(19)) , (CAPIN,RECORD(25)) , (SATW,RECORD(26)) ,
(SATV,RECORD(30)) , (AVP,RECORD(31)) , (RANK,RECORD(32)) ,
(ALGE,RECORD(33)) , (GEOM,RECORD(34)) , (TRIG,RECORD(35)) ,
(ALGI,RECORD(36)) , (CALC,RECORD(37)) , (PHYS,RECORD(38)) ,
(IQ,RECORD(39)) , (READ,RECORD(40)) , (NAVRNK,RECORD(41)) ,
(COMENT(1),RECORD(42)) , (MTHACH ,RECORD(39)) , (CHEM,RECORD(43)) ,
, (STUDNO, RECORD(2))

```

DATA RECORD/41\*0 , 14 \* ' ' , 10 \* 0 /

DIMENSION NERP.(2)

DATA NERR/'INPUT','T'/

```
INTEGER DNAM(2)
```

DATA ORAM/'DROP', ' ' /

INTEGER \* 2 DATE(12) , STUDNM(12), DRBPFG

EQUIVALENCE (DROPFG,RECORD(24))

INTEGER \* 2 BLANK

DATA BLANK/' ' /

1

(CONTINUED ON PAGE 21)

\*\*\* PROGRAMS LISTING MANUAL \*\*\* A.10.1.5.2. VERSION III \*\*\*

```

      I
      INTEGER * 2 DATIN(4),DATOUT(4)
      EQUIVALENCE (DATIN(1),RECORD(48)),(DATOUT(1),RECORD(5))
      INTEGER DROP(2)
      DATA DROP/' ','YES'/

```

```

      I
      -----
      I MES  =0
      -----
      I

```

\*\*\*READ(1SYS\*1) NIMFIL,NIMCRS

CALL INFO(LATE)

200

CONTINUE

```

      I
      +-----+
      + 00      +
      +-----+
      +-----+
      + 10      +
      +-----+
      + I = 1,41 +
      +-----+
      +          +
      + I        +
      + I        +
      +-----+
      +-----+
      10 +-----+ I RECORD(I) =0
      +-----+

```

```

      I
      I
      +-----+
      + 00      +
      +-----+
      +-----+
      + 20      +
      +-----+
      + I = 42,55 +
      +-----+
      +          +
      + I        +
      + I        +
      +-----+
      +-----+
      20 +-----+ I RECORD(I) =BLANK
      +-----+

```

```

      I
      I
      +-----+
      + 00      +
      +-----+
      +-----+
      + 30      +
      +-----+
      + I = 56,65 +
      +-----+
      +          +
      + I        +
      + I        +
      +-----+
      +-----+
      30 +-----+ I RECORD(I) =0
      +-----+

```

(CONTINUED ON PAGE 22)

\*\*\* P. 275 LOGIC MANUAL \*\*\* A.I.P.S. VERSION III \*\*\*

```

      I
*** READ(INDEX,201,END=2800) NAME,TONO,SAT,SATV,AVG,NAME,MJ,
      TRIG,ALGI,CALC,PHYS,IG,8'AD,C,SEIT,COURSE,STUDNO

```

```

FORMAT(12A2,A1, 4A2,A1, 12, 12, 12, 11, 12, 12, 12, 12,
      12, 12, 12, 12, 2X, 6A2, 12, 12)

```

```

      I
-----
I NOS =NOS+1
-----

```

```

      I
      I
      I
      * * *
      * IF *
      * (STUDNO.EQ.0) *
      I * * * * I
      I * * * * I
      I * * * * I
      - I      0 I      + I
-----
I GOTO199      I      I      I      I
-----

```

```

      I
      I
      * * *
      * IF *
      * (STUDNO.GE.1.AND.STUDNO.LE.NINE(I)) *
      I * * * * I
      I * * * * I
      I * * * * I
      - I      0 I      + I
-----
I GOTO175      I      I      I      I
-----

```

```

      I
-----
I I =STUDNO
-----

```

```

      I
CALL ERROR(NERR,0,1,NOS,1)

```

```

      I
-----
I 200 I
-----

```

280 ++++++CONTINUE

I  
(CONTINUED ON PAGE 34)

	I	
	I	
	I	
.	*	*
. *	[F]	* .
* (NOTUP-FILE)		*
I * .		* I
I .		I
I . *		I
- I	O I	+ I
-----	-----	-----
I 379 I	I 500 I	I 400 I
-----	-----	-----

1  
-----  
1 28091

I	
I C1	=0.
I C2	=0.
I SUM1	=0.
I SUM2	=0.

(CONTINUED ON PAGE 35)

\*\*\*\*\* LOGIC MANUAL \*\*\*\*\* 2.1.1.3. VERSION III \*\*\*\*\*

```

1
+
+      C1=C1+1.
+

```

500 \*\*\*\*\*CONTINUE

```

1
1
      * *
      * *
      * IF *
      * (SATP-EC.0) *
1 * * * 1
1 * * * 1
1 * * * 1
- 1      0 1      + 1
-----
1 GOTO1000 1      1      1      1
-----

```

800

CONTINUE

```

1
-----
1 C2 =C2+1. 1
1 SUM2 =SUM2+(SATP-200.)/6. 1
-----
1

```

700

CONTINUE

```

1
1
      * *
      * *
      * IF *
      * (SATV-FO.0) *
1 * * * 1
1 * * * 1
1 * * * 1
- 1      0 1      + 1
-----
1 GOTO1200 1      1      1      1
-----

```

```

1
-----
1 C2 =C2+1. 1
1 SUM2 =SUM2+(SATV-200.)/6. 1
-----
1

```

200

CONTINUE

(CONTINUED ON PAGE 36)



\*\*\* 2-PROGRAM LOGIC MANUAL \*\*\* A.I.F.S. VERSION III \*\*\*

```

      I
      I
      I
      . * .
      . * IF .
      * (AVR.EQ.O) *
      I * I
      I * . * I
      I * . * I
      - I      O I      + I
-----
I GOTO 1400      I      I      I      I
-----

```

```

      I
-----
I C2      =C2+1.      I
I SUM2    =SUM2+AVR   I
-----

```

I

400

CONTINUE

```

      I
      I
      . * .
      . * IF .
      * (PANK.EQ.O) *
      I * I
      I * . * I
      I * . * I
      - I      O I      + I
-----
I GOTO 1600      I      I      I      I
-----

```

```

      I
-----
I C2      =C2+1.      I
I SUM2    =SUM2+(PANK+1)*10      I
-----

```

I

500

CONTINUE

(CONTINUED ON PAGE 37)

APPENDIX A LOGIC MANUAL FOR A.I.D.S. SECTION III

```

      I
      I
      I
      . * * .
      . * IF * .
      * (PHYS.EQ.) *
      I * . * I
      I * . * I
      I * . * I
      - I      0 I      + I
-----
I GETC1000 I      I      I      I
-----

```

```

      I
-----
I C2 =C2+1. I
I SUM2 =SUM2+PHYS I
-----

```

300

CONTINUE

```

      I
      I
      . * * .
      . * IF * .
      * (10.EQ.0) *
      I * . * I
      I * . * I
      I * . * I
      - I      0 I      + I
-----
I GETC1000 I      I      I      I
-----

```

```

      I
-----
I C2 =C2+1. I
I SUM2 =SUM2+10/2. I
-----

```

400

CONTINUE

(CONTINUED ON PAGE 38)

\*\*\* PROGRAM LOGIC MANUAL \*\*\* A.I.M.S. VERSION 111 \*\*\*

```

      I
      I
      I
      . * * .
      . * IF * .
      * (KFAE.EQ.0) *
      I * . * I
      I * . * I
      I * . * I
      - I      0 I      + I
-----
I GOTCI400  I      I      I      I
-----

```

```

      I
-----
I C2      =C2+1.
I SUM2    =SUM2+READ*7.
-----

```

I

CONTINUE

```

      I
      I
      . * * .
      . * IF * .
      * (C1.FQ.0) *
      I * . * I
      I * . * I
      I * . * I
      - I      0 I      + I
-----
I GOTCI400  I      I      I      I
-----

```

```

      I
-----
I C2      =C2+1.
I SUM2    =SUM2+(SUM1/C1)
-----

```

I

CONTINUE

(CONTINUED ON PAGE 39)

\*\*\*\* P-3 CAN LOGIC MANUAL \*\*\*\* A.I.M.S. VERSION III \*\*\*\*

26

```

      I
      I
      I
      . * * .
      * IF *
      * (C2.CI.0.9) *
      I * . * I
      I * . * I
      I * . * I
      - I      0 I      + I
      -----
      I GOTG1500 I      I      I      I
      -----
  
```

```

      I
      -----
      I CAPIN=-950 I
      -----
  
```

```

      I
      I
      -----
      I 25501
      -----
  
```

500

```

      I
      -----
      I CAPIN=SUM2/C2 I
      -----
  
```

550

CONTINUE

```

      I
      I
      . * * .
      * IF *
      * (STUDNO.GT.0) *
      I * . * I
      I * . * I
      I * . * I
      - I      0 I      + I
      -----
      I GOTG1700 I      I      I      I
      -----
  
```

```

      I
      -----
      I NINCRS =NINCRS+1 I
      I NINFIL =NINFIL+1 I
      I STUDNO =NINFIL I
      -----
  
```

(CONTINUED ON PAGE 40)

\*\*\*\* PROGRAM LOGIC MANUAL \*\*\*\* A.I.N.S. VERSION III \*\*\*\*

217

```

      I
      I
      +-----+
      + 00      +
+++++++ 2600      +
+      + I = 1,4      +
+      +-----+
+      I
+      I
+-----+
500 ++++++ I DATE(I) = DATE(I+4)      I
+-----+

```

\*\*\*WRITE(IFILE\*VINFIL) RECORD

```

      I
      I
      I 200 I

```

700

CONTINUE

```

      I
      I
      I RECORD(24) = SECOND(24)      I

```

```

      I
      I
      +-----+
      + 00      +
+++++++ 2710      +
+      + I = 26,28      +
+      +-----+
+      I
+      I
+-----+
10 ++++++ I RECORD(I) = SECOND(I)      I
+-----+

```

```

      I
      I
      +-----+
      + 00      +
+++++++ 2720      +
+      + I = 48,65      +
+      +-----+
+      I
+      I
+-----+
720 ++++++ I RECORD(I) = SECOND(I)      I
+-----+

```

\*\*\* WRITE(IFILE\*STUDNO) RECORD

(CONTINUED ON PAGE 41)

\*\*\* P-1000 LOGIC MANUAL \*\*\* A.I.R.S. VERSION III

```

      I
      I
-----
I 200 I
-----

```

CONTINUE

\*\*\*WRITE(ISYS'I) NINFIL,NINCRS

```

      I
-----
I 5000I
-----

```

ENTRY DROP(INDEV)

CONTINUE

\*\*\*READ(ISYS'I) NINFIL,NINCRS

CALL INFO(040)

```

      I
-----
I NOS  =0
-----
      I

```

\*\*\*READ(INDEV,3301,END=4800) STUDNM,STUDNO

FORMAT(12A2,A1, 52X , I3 )

```

      I
-----
I NOS  =NOS+1
-----

```

```

      I
      I
      I
      I
      * * *
      * IF *
      * (STUDNO.GT.0.AND.STUDNO.LE.NINFIL)

```

```

1 * * * * *
1 * * * * *
1 * * * * *
1 * * * * *
- I      O I      + I
-----
I GOTO1600 I      I
-----

```

```

      I
-----
I J    =NINCRS
-----

```

\*\*\* PROGRAM LOGIC MANUAL \*\*\* A.I.M.S. VERSION III \*\*\*

```

      I
      I=STUDNO
      CALL ERPRR(DNAM,0,1,NOS,I,J)

```

```

      I
      -----
      I 3300I
      -----

```

7500 \*\*\*READ(1 FILE STUDNO) RECORD

```

      I
      I
      * * *
      * IF *
      * (DROPEQ.FQ.0) *
      I * * * I
      I * * * I
      I * * * I
      - I      0 I      + I
      -----
      I GOTCI000 I I I
      -----

```

```

      I
      -----
      I I =STUDNO I
      -----

```

```

      CALL ERROR(DNAM,0,2,NOS,I)

```

```

      I
      -----
      I 3300I
      -----

```

0000 CONTINUE

```

      I
      +-----+
      + 00 +
      +-----+
      +-----+ 4300 +
      + I = 1,13 +
      +-----+
      I
      I
      +

```

(CONTINUED ON PAGE 43)

\*\*\* FIVE-FOLD LOGIC \*\*\* .I.V.S. 9891A III

```

+
+                               I
+                               I
+                               I
+               . *      * .
+       . *      IF      + .
+   *(STUDENT(I),FO.NAME(I))
+   I *      .          * I
+   I      *      .      *      I
+   I      *      *      I
+ - I      O I      + I
+-----
+ I COTC1300    I      I      I      I

```

```
+      I  
+-----  
+ I J      =STUDNS  
+-----  
+      I  
+      ,  
+      CALL SP9CPL(NAN,G,B,MDS,J,I)  
+      I  
+-----  
+      I 200I
```

330 +++++CONTINUE

```

      I
-----
I D:=OPFC =1
-----
      I
      I
      +-----+
      + 00          +
+++++ 4600          +
+      + I = 1,4    +
+      +-----+
+      I
+      I
+
+-----
+ I DATCUT(I) =DATE(I+4)
-----
+      I

```

509 ++++++CONTINUE

\*\*\*WRITE (IF FILE "STUDNO") RECORD

I

---

I NINCRAS =MINCRS-1

I

(CONTINUED ON PAGE 44)



\*\*\* PROGRAM LOGIC MANUAL \*\*\* A.I.S. VERSION III \*\*\* 1 2 3 4

1  
1  
-----  
1 53001

50C \*\*\*WRIT.(ISYS'1) NINFIL,NINOPS

CITY LIST

Q70 CONTINUE

\*\*\*RFA9 (LSYS'1) PIRFIL, PIMORS

CALL INFO(DATE)

```

1
-----
1 13      =0
1 1PAGE=0

```

```

      I
      I
      +-----+
      + 00          +
+++++ 9000      +
+          + I = 1 , NINFI
+          +-----+
+          I
+          I
+          I
+          * * *
+          * * I * *
+          * (IN.GT.O) *
+          I * * * I
+          I * * * I
+          I * * * I
+          - I      0 I      + I
+-----+-----+-----+
+ I GOTO 1000      I      I      I

```

```

1
-----
1 IPAGE=IPAGE+1
1

```

```
***WRITE(IPRINT,7999) DATE,IPAGE
```

```
***WRITE(IPRINT,7998)
```

I

---

I 14 =40 I



\*-44 PROGRAM LOGIC MANUAL \*\*\* A.I.A.S. V R S I N III \*\*\*

I

INTEGER \* 2 NINFIL,NINCBS

INTEGER \* 2 NAME(13),IDNO(5),SATM,SATV,AVP,RANK,ALG,CEON,ITIG,  
ALCT,CALC,PHYS,IQ,ROAD,COMMENT(6),COURSE,CAPT,SECNO(5),  
CHET,NAVRNK,PTHACH,STUDNO,SECNO(5)

EQUIVALENCE (COURSE,RECORD(5)), (NAME(1),RECORD(6)),  
(IDNO(1),RECORD(19)), (CAPT,RECORD(25)), (SATM,RECORD(27)),  
(SATV,RECORD(30)), (AVP,RECORD(31)), (RANK,RECORD(32)),  
(ALG,RECORD(33)), (CEON,RECORD(34)), (ITIG,RECORD(35)),  
(ALCT,RECORD(36)), (CALC,RECORD(37)), (PHYS,RECORD(38)),  
(IQ,RECORD(39)), (ROAD,RECORD(40)), (NAVRNK,RECORD(41)),  
(COMMENT(1),RECORD(42)), (PTHACH,RECORD(39)), (CHET,RECORD(43)),  
(STUDNO,RECORD(2))

DATA RECORD/41\*0, 14 \* ' ', 10 \* 0 /

DIMENSION NERR(2)

DATA NERR/'INPUT','I' /

INTEGER DNAM(2)

DATA DNAM/'DROP','I' /

INTEGER \* 2 PATH(12),STUDNM(13),DROPPG

EQUIVALENCE (DROPPG,RECORD(24))

INTEGER \* 2 BLANK

DATA BLANK/' ' /

INTEGER \* 2 DATIN(4),DATOUT(4)

EQUIVALENCE (DATIN(1),RECORD(43)), (DATOUT(1),RECORD(52))

INTEGER DROPD(2)

DATA DROPD/' ','YES' /

I

I NOS =C

I

\*\*\*READ(1SYS'1) NINFIL,NINCBS

CALL INFO(DATE)

CONTINUE

I

(CONTINUED ON PAGE 47)

\*\*\* PROGRAM LOGIC MANUAL \*\*\*

```

      I
      I
      +-----+
      + 07      +
1  ++++++++ 10      +
  +      + I = 1,41  +
  +      +-----+
  +      I
  +      I
  +-----+
10 ++++++++ I RECORD(I) = 0      I
  +-----+

```

```

      I
      I
      +-----+
      + 20      +
+++++++ 20      +
+      + I = 42,55  +
+      +-----+
+      I
+      I
+-----+
20 ++++++++ I RECORD(I) = BLANK      I
  +-----+

```

```

      I
      I
      +-----+
      + 30      +
+++++++ 30      +
+      + I = 55,65  +
+      +-----+
+      I
+      I
+-----+
30 ++++++++ I RECORD(I) = 0      I
  +-----+

```

\*\*\*READ(INDEX,201,END=2300) NAME, IDNO, SATN, SATV, CALC, CREM ,  
MTHACH, NAVRNK , COMMENT , COURSE , STUDNO

FORMAT( 12A2,A1 , 4A2,A1 , 13 , 13, 11X , 12 , 12 ,  
13 , 2X , 13 , 6A2 , 12 , 13 )

I NOS =NOS+1

(CONTINUED ON PAGE 48)

\*\*\*\* PROGRAM LOGIC MANUAL \*\*\*\* ALIEN. S. V. R. P. III \*\*\*\*

```

      I
      I
      I
      . * * .
      . * IF * .
      + (STUDNO. + 0.0) *
      I * . * I
      I * . * I
      I * . * I
      - I      0 I      + I
      -----
      I GOTO 120      I      I      I      I
      -----
  
```

```

      I
      I
      . * * .
      . * IF * .
      + (STUDNO. GE. 1. AND. STUDNO. LE. 100000)
      I * . * I
      I * . * I
      I * . * I
      - I      0 I      + I
      -----
      I GOTO 175      I      I      I      I
      -----
  
```

```

      I
      -----
      I I      = STUDNO      I
      -----
  
```

```

      I
      CALL ERGRINFER,0,1,YES,1)
      I
      -----
      I 200 I
      -----
  
```

\*\*\*READ(IFILE\*STUDNO) SECOND

```

      I
      +-----+
      + 00      +
      +++++++ 280 +
      +      + ( = 1,13 +
      +      +-----+
      +      I
      +      I
  
```

(CONTINUED ON PAGE 49)



\*\*\* PROGRAM LOGIC MANUAL \*\*\* A.I.C.S. VERSION III \*\*\*

1  
I  
I  
-----  
I 28001  
-----

100

CONTINUE

I  
-----  
I C1 =0.  
I SUM1 =0.  
-----

I  
I  
I  
\* \* \*  
\* IF \*  
\* (SATM.EC.C) \*  
I \* \* I  
I \* \* I  
I \* \* I  
- I 0 I + I  
-----  
I GET1000 I I I I  
-----

I  
-----  
I C1 =C1+1.  
I SUM1 =SUM1+(SATM-200.0)/6.  
-----

I  
I  
I  
\* \* \*  
\* IF \*  
\* (CALC.NE.0) \*  
I \* \* I  
I \* \* I  
I \* \* I  
- I 0 I + I  
-----  
I GET1200 I I I I  
-----

I  
-----  
I C1 =C1+1.  
I SUM1 =SUM1+(SATM-200.0)/6.  
-----

I  
I  
(CONTINUED ON PAGE 51)





8086 PROGRAM LOGIC MANUAL \*\*\* A.I.C.S. VOLUME III \*\*\*

I  
 I  
 I  
 . \* .  
 . \* If \* .  
 (CHL.F.C.) \*  
 I \* . \* I  
 I \* . \* I  
 I . \* I  
 - I C I + I  
 -----  
 I G T C I I O C I I I I I I

```

1
-----
1 C1      =C1+1.
1 SUM1    =SUM1+CH54

```

1  
CONTINUE

I  
 I  
 . \* \* .  
 . \* IF \* .  
 \* (ATTACH. EQ. 0) \*  
 I \* . \* I  
 I \* . \* I  
 I \* \* I  
 - I C I + I  
 -----  
 I GOTE1000 I I I I

```

      1
-----
C1      =C1+1.
SUM1    =SUM1+(NTRACH-200.0)/5.

```

CONTINUED

I  
(CONTINUED ON PAGE 53)

209

C O N T I N U E

$$I_{CAPIR} = SUM1/CL$$

550

CONTINUED

```

+ 00 +
+++++ 2600 +
+ + 1 = 1,4 +
+ +-----+
+ {
+ {
+ . -----
+++++ ++++++ DATIN(U) =DATZ(I+

```

(CONTINUE) ON PAGE 54)

\*\*\*\* PROGRAM LOGIC MANUAL \*\*\*\* A.I.D.S. VERSION III \*\*\*\*

\*\*\*WRITE (IFILE\*MINFIL) RECORD

I 200 I

2710

CONTINUE

I RECORD(24) = SECOND(24)

```

+-----+
+ 00      +
+++++++ 2710 +
+ I = 25.22 +
+-----+
+         I
+         I
+-----+

```

710 ++++++I RECORD(1) = SECOND(1)

```

+-----+
+ 00      +
+++++++ 2720 +
+ I = 43.65 +
+-----+
+         I
+         I
+-----+

```

1120 ++++++I RECORD(1) = SECOND(1)

\*\*\* WRITE (IFILE\*STUDNO) RECORD

I 200 I

280

CONTINUE

\*\*\*WRITE (LSYS\*1) MINFIL,MINCRS

(CONTINUE) ON PAGE 55)

\*\*\* P-1000 LOGIC MANUAL \*\*\* 1.1.1.5. V0051. III \*\*\*

I  
I  
-----  
I 50001  
-----

ENTRY DROP(INDEV)

CONTINUE

\*\*\*READ(1SYS'1) NINFIL,NINCRS

CALL INFO(0ATE)

I  
-----  
I NOS =0  
-----  
I

\*\*\*READ(INDEV,3201,END=4300) STUDNO,STUDNO

FORMAT(12A2,A1, 52X , 12 )

I  
-----  
I NOS =NOS+1  
-----  
I

I  
I  
I  
\* \* \*  
\* IF \*  
\*(STUDNO.GT.0.AND.STUDNO.LE.NINFIL)  
I \* \* \* I  
I \* \* \* I  
I \* \* \* I  
- I 0 I + I  
-----  
I GOTC1600 I I I I  
-----

I  
-----  
I J =NINCRS  
I I =STUDNO  
-----  
I

CALL ERROR(ONAM,0,1,NOS,1,J)

(CONTINUED ON PAGE 56)

\*\*\* PROGRAM LOGIC MANUAL \*\*\* 4.1.1.5. VERSION III \*\*\*

PAGE 6

```

      I
      I
      -----
      I 3300I
      -----
  
```

500

\*\*\*P'AD(IFILE'STUDNG) RECORD

```

      I
      I
      . * * .
      . * IF * .
      * (DROPEF.EQ.0) *
      I * . * * I
      I * . * * I
      I * * * I
      - I      0 I      + I
      -----
      I GOTO 1000 I      I      I      I
      -----
  
```

```

      I
      -----
      I I      =STUDNG I
      -----
  
```

CALL ERROR(DYAN,0,2,NUS,1)

```

      I
      -----
      I 3300I
      -----
  
```

400

CONTINUE

```

      I
      +-----+
      + 00      +
      ++++++ 4300 +
      +      + I = 1,13 +
      +      +-----+
      +      I
      +      I
      (CONTINUED ON PAGE 57)
  
```



\*\*\*REF ID: A58511\*\*\*

CONTINUED

```
***READ (ISYS'1) NAMEH, INCAS
```

CALL INFO(CATH)

```

      I
      I
+-----+
+  00      +
++ 9000    ++
+  I = 1 , MINFIL  +
+-----+

```

```

      I
-----
      I PAGE=IPAGE+1
-----

```

\*\*\*WRITE(PRINT,7999) DATE,IPAGE

```
***WRITE(IPRINT,7998)
```



ERIC  
Full Text Provided by ERIC

```

1000 9.0 1.0 LOGIC MAC GAO ***** I.L.S. VERSION III *****
+
+
+
700 +
+   FORMAT(1H1      , 7X , '682' , 2X , 'AIMS ON-BEAM K. TEST' , 1X ,
+   '***',55X,'J00', 2X,4A2 , 2X , 4A2 , 1X , 10'
+   / 91X, 'PAGE' , 14 / / / )
+
+
800 +
+   SUBROUTINE
+   1X, 'NAME' , 22X , 'ACAD NUM' , 1X , 'NO.' , 1X , 'CAP' , 1X , '
+   1X, 'SAT MATH' , 1X , 'SAT V' , 1X , 'CALC' , 1X ,
+   'CHE' , 1X , 'MATH ACH' , 1X , 'RANK' , 2X , 'COURSE' ,
+   5X , 'CRSE' , 1X , 'DROPP' , 1X , 'DATE' , 5X , 'DATE' /
+   117X , 'ENTERED' , 2X , 'DROPPED' / / )
+
8000 +
+   ***READ(1,FILE='1') ASCEND
+   I
+
+   -----
+   I 14 =14-1
+   I 14 =DROPPED+1
+   -----
+   I
+
+   ***PRINT(1,PRINT,9001) NAME , IDNO , STUDNO , CAP1 , SATM , SATV ,
+   CALC , CHE , MTHACH , NVRANK
+   COMMENT , COURSE , DROPP(K) , DATE , DATEOUT
+
9001 +
+   FORMAT( 1X , 12A2,A1 , 1X , 4A2,A1 , 1X , 1X , 4X , 1X ,
+   7X , 13 , 6X , 13 , 2X , 12 , 3X , 12 , 5X , 13 ,
+   4X , 13 , 2X , 6A2 , 2X , 12 , 2X , 4A2 , 1X , 4A2 ,
+   1X , 4A2 )
+
1000 +++++++CONTINUE
+
+   -----
+   I 1PAGE=1PAGE+1
+   -----
+   I
+
+   ***WRITE(1,PRINT,7999) DATE,1PAGE
+
+   ***WRITE(1,PRINT,9001) NAME1,NINCKS
+
9001 +
+   FORMAT(1X, 9(1)
+   13 X , 'THERE ARE' ,14 , 'RECORDS IN THE STUDENT FILE' /
+   14 X , 'OF THESE' ,14 , 'STUDENTS REMAIN IN THE COURSE' )
+
+   ***RETURN
+
+   END
+
+   SUBROUTINE MBO1(INUNIT,LEVEL)
+
+   COMMON/SYSTEM/NLESS,NDECK,NRFS,NQUEST,NSTUD
+
+   COMMON/FILES/IW1(2),IPRINT,IW2(2),IHFAD,IDIR,IQUIST,I1(3)
+   ,ISYS,IW4(3)
+
+   INTEGER * 2 LPERM , NPERM , IDREC ,
+   PTRS(50) , NOS(50) , MRCORD(65) , LTABLE(4,10,40)
+   , MRCORD(40) , LESSON , SEGMENT , TO , MBO ,K-Y(17) ,
+   SKILL1 , SKILL2 ; MEDIA , TYPE , QUEST , PRES(13) , COURSE

```



\*\*\* PROGRAM LOGIC MANUAL \*\*\* A.I.P.S. VERSION III \*\*\*

INTEGER \* 2 OSTION(70) , DIGTRY(200) , CHAIN(3,400) ,  
POINT1 , POINT2 , OPPOINT , AIC ,

INTEGER PNJ , DECK , PLAMP(2) , READ , REPT

DATA RNAME/'PRO', ' 1/

EQUIVALLANCE (LESSON , RECORD(1) ) , (SEGMENT , RECORD(2) ) ,  
(TD , RECORD(3) ) , (MCD , RECORD(4) ) , (KEY(1) , RECORD(5) ) ,  
(SKILL1 , RECORD(22) ) , (SKILL2 , RECORD(23) ) ,  
(MEDIA , RECORD(24) ) , (TYPE , RECORD(25) ) ,  
(QUEST , RECORD(26) ) , (PRES(1) , RECORD(27) ) ,  
(COURSE , RECORD(40) ) , (OTU , OSTION(6) ) ,  
(ORBO , OSTION(7) ) , (OPPOINT , OSTION(8) )

INTEGER LIST(2)

INTEGER DATE(6)

INTEGER \* 2 IONUD

I IREX =0 I

\*\*\* READ(1SYS\*2) LPERM,REPM

```

      I
      I
      . * * .
      . * IF * .
      * (LPERM.GT.0) *
      ) * . * * 1
      1 * . * * 1
      1 * . * * 1
      - 1 0 1 1
      -----
      I GOTO100 I I I
      -----
  
```

CALL ERROR(RNAME,0,1)

\*\*\* RETURN

CONTINUE

I MINLES =LPERM+1 I

\*\*\* READ(1SYS\*3) PTRS

(CONTINUED ON PAGE 61)







(CONTINUED ON PAGE 65)



P. THOMAS LOGIC MANUAL \*\*\* A.I.T.S. VERSION III \*\*\* 09

I  
I  
-----  
I 201 I

C. PERIQUÉ

```

I 10000=1
I LESS =1

```

	I		
	I		
	I		
	.	*	.
	.	I	.
	(LEVELING)		
I	.		*
I	*		I
I	.	.	I
- I	O I		+ I
<hr/>			
I OCTOBER	I	I	I

```

      I
      +-----+
      + DO          +
+++++++ 1700      +
      * I = 1 , LPER%+
      +-----+
      I
      I
      -----
      I J      =PTRS(I)

```

```

+                               I
+
+
+ ***      READ(HEAD,J) HRCOYD
+                               I

```

(CONTINUED ON PAGE 67)

200 2.0 0.0 1.0 2.0 3.0 4.0 5.0 6.0 7.0 8.0 9.0 10.0 11.0 12.0 13.0 14.0 15.0 16.0 17.0 18.0 19.0 20.0 21.0 22.0 23.0 24.0 25.0 26.0 27.0 28.0 29.0 30.0 31.0 32.0 33.0 34.0 35.0 36.0 37.0 38.0 39.0 40.0 41.0 42.0 43.0 44.0 45.0 46.0 47.0 48.0 49.0 50.0 51.0 52.0 53.0 54.0 55.0 56.0 57.0 58.0 59.0 60.0 61.0 62.0 63.0 64.0 65.0 66.0 67.0 68.0 69.0 70.0 71.0 72.0 73.0 74.0 75.0 76.0 77.0 78.0 79.0 80.0 81.0 82.0 83.0 84.0 85.0 86.0 87.0 88.0 89.0 90.0 91.0 92.0 93.0 94.0 95.0 96.0 97.0 98.0 99.0 100.0

+			I		
+			I		
+			I		
+		.	*	*	.
+	.	.	(F	*	.
+	S(48622)(7).	F(2.0)		*	
+	I	*	-	.	* I
+	I	.	.	*	I
+	I	*	.	*	I
+	- I	O	I		+ I
+	-----		-----		-----
+	I GGF(120)	I	I	{	}
+	-----		-----		-----

```

+
+
+-----+
+ I LESS = I
+ I (DEFC=480000(7)
+-----+
+
+
+
+
+
+
+
+

```

107 \*\*\*\*\* CONTINUE

905 CONTINUE

```

      I
      I
      . * * .
      . * [F * .
      = (LESS.LE. %INLFS) *
      I * . I * I
      I * . I * I
      I * . I * I
      - I      0 I      + I
      -----
      I GOTG1000 I      I      I

```

```

      I
-----
I LESS =MINLFS
I IL   =PTRS(LESS)

```

```
***  CFAD(HEAD' (1) HRCGRD
```

I

---

I IDUC=HRCGRQ(7) I

۰۰۰

CONFIDENTIAL

(CONTINUED ON PAGE 68)





ERIC  
Full Text Provided by ERIC



PROGRAM LOGIC MANUAL \*\*\* A.I.V.S. VERSION III \*\*\*

```

      I
      I
      I
      . * .
      * IF *
      *(DRCTRY(IG).NE.0) *
      I * . * I
      I * . * I
      I * . * I
      - I      0 I      + I
      -----
      I GOTO 1000 I      I      I
      -----
  
```

DRCTRY(IG) = RNO

I

I 4500I

300

CONTINUE

I

I I =DRCTRY(IG) I

```

      I
      I
      I
      . * .
      * IF *
      *(RNO.CE.CHAIN(2,I))*
      I * . * I
      I * . * I
      I * . * I
      - I      0 I      + I
      -----
      I GOTO 1000 I      I      I
      -----
  
```

CHAIN(3,RNO) = I

DRCTRY(IG) = RNO

I

I 4500I

I

(CONTINUED ON PAGE 71)

\*\*\*\* PROGRAM LOGIC MANUAL \*\*\*\* ALL CASES VERTICALLY \*\*\*\*

```

      I
      CONTINUE
      I
      -----
      I POINT1 =RND(12)
      -----
      I
      -----
      I POINT2 =CHAIN(3,POINT1)
      -----
      I
      I
      I
      . * . * .
      . * IF * .
      * (I INT2.NE.0) *
      I * . * . * I
      I * . * . * I
      I * . * . * I
      - I 0 I + I
      -----
      I GOTO1400 I I I I
      -----
  
```

```

      CHAIN(3,POINT1) = RND
      I
      -----
      I 45001
      -----
  
```

```

      I
      I
      . * . * .
      . * IF * .
      *(480.6E.CHAIN(2,POINT2))
      I * . * . * I
      I * . * . * I
      I * . * . * I
      - I 0 I + I
      -----
      I GOTO1200 I I I I
      -----
  
```

CHAIN(3,RND) = POINT2

CHAIN(3,POINT1) = RND

I  
(CONTINUED ON PAGE 72)

\*\*\* P. JAPAN LOGIC MANUAL \*\*\* A.I.E. - VERSI 1.11 \*\*\*VA 22/1/77

$$\begin{array}{r} 1 \\ 1 \\ \hline 145001 \end{array}$$

**1**

I POINT1 =POINT2

1  
 1  
 -----  
 1 34001

**h**

1 MACRO(7) =IDREC

\*\*\* HP III (HEAD) HEAD) HPCO-RO

1994

```

      . * .
      * IF *
      * (LEVEL.EQ.0) *
      I * .
      I * .
      ] * .
      - I      * . *
      C I      + I
-----
I GOTOI300    I      I      I      I

```

(CONTINUED ON PAGE 73)



SECRET (REQUESTING) OBTAIN  
I

1. D.M.I. = CHILL (3, RND)

```

***  SITE (QUESTIONS) SECTION
      CONTINUE
      I

```

1 10R7C = 10R6C - 1

\*\*\* REF ID: (A55510) 125 FC

ENTRY 500151

## CONCLUSION

CALL INFO(DATE)

\*\*\* READ(1SY5'6) 19RCC  
1

```

1  IF PAGF=0

```

$$I \cdot IR \cdot X = 0$$

1  
2  
3

\* \* \* IF \*  
\* (IDREC.LE.0)

1 \* .  
1 \* .  
1 \* .  
1

0 1

I GOTG1600 I I I I

00 8500 IDN = 1, IDI FC

```
*** READ(FDIR, ION) DIRECTY
      I
```

$$I \quad I W \quad = G$$





\*\*\* PROGRAM LOGIC MANUAL \*\*\* A.L.S. VERSION III \*\*\*

```

      I
***  READ(IQUEST*20) QSTION
      CALL LSTCODE(QSTION(I),LIST)
***  WRITE(IPRINT,9001) (QSTION(I),L=1,3) , (QSTION(I),L=4,7) ,
      LIST , (QSTION(I),L=13,15) , (QSTION(I),L=21,23)
      I

```

```

-----
I  R53  =QPOINT          I
I  I    =IW-1            I
-----

```

```

      I
      I
-----
I  73001
-----

```

500 CONTINUE

550 CONTINUE

600 CONTINUE

\*\*\* WRITE(IPRINT,9701) IPRN

\*\*\* RETURN

ENTRY QLIST

700 CALL INFO(DATE)

\*\*\* READ(1SYS\*5) IQNUM

```

      I
      I
      . * * .
      . * IF * .
      * (IQNUM.LE.0) *
      I * . * * I
      I * . * * I
      I * . * * I
      - I      0 I      + I
-----
I  GOFC1700  I      I      I      I
-----

```

```

      I
-----
I  IW  =0          I
I  IPAGE=0        I
-----

```



```

FORMAT( 1X , 'LESS' , 1X , 'SEG' , 1X , 'TP' , 1X , 'RSI' ,
1X , 'TO' , 1X , 'FO' , 1X , 'CORRECT' , 1X , 'SKL' , 1X ,
'SKL' , 1X , 'POLA' , 1X , 'PCT.' , 1X , 'VAL' , 1X , 'STO' ,
1X , 'AVG' , 3X , 'AVG' , 3X , 'I' , 3X , 'I' , 3X , 'PI' ,
2X , 'LOW' , 1X , 'RESPONSE COUNTERS' /
23X , 'ANSWER' , 3X , '1' , 3X , '2' , 7X , '11' , 6X , '1'
'DEV' , 1X , 'RT' , 1X , 'GP' , 1X , '1G' , 1X , 'GP' , 1X ,
'RT' , 1X , 'GP' , 1X , '1G' , 1X , 'GP' , 1X , 'GP' ,
1X , 'GP' , 1X , 'BLK' , 1X , '6' , 3X , '6' , 3X , 'C' ,
3X , 'D' , 3X , 'E' , 3X , 'F' , 3X , 'G' , 3X , 'H' , 3X ,
'I' , 3X , 'J' / / )

```

```

FORMAT(1X, 9(1), 13X,
'THREE ARE', 14, ' RECORDS IN THIS FILE' )

```

SUBROUTINE PROCS(LESSON)

COMMON/SYSTEM/IL(5)

```
INTEGER * 2 ANSWER(10,185),SECOND(10,185),OPTION(18,48,10),
SAMPLE(60),SDEV(60),MEAN(60),MIN(60),MAX(60),PPLY(65,10),
HEADER(65,12)
```

```

EQUIVALENCE(REPLY(1,1),SECOND(1,1)),
(HEADER(1,1),SECOND(10,80) )

```

CALL GPSYS('LOAD','AINSPRC2')

CALL OPSYS('LOAD','A1MSTAPE')

CALL PROC1 ( LESSON, DECKS, ANSWER, QSTION, REPLY, HEADER,  
SAMPLE, SDEV, MEAN, MIN, MAX )

```
CALL GPSYS('LOAD', '41MSPHC3')
```

CALL PROC2(LESSON,DECKS,ANSWER,SECOND,QUESTION,  
SAMPLE,SDEV,MEAN,MIN,MAX )

\*\*\* RETURN



\*\*\* PROGRAM LOGIC MANUAL \*\*\* A.I.V.S. VERSION III \*\*\*\*\*

PAGE 3

```

      I
      CALL ERKOP(PNAME,0,1,1,0)

      *** RETURN
      CONTINUE

      CALL TAP SVC(LESSON,FLAG)
      I
      I
      . * * .
      * IF *
      * (FLAG.NE.0) *
      I * . * I
      I * . * I
      I * * * I
      - I      I      + I
      -----
      I RETURN      I      I      I      I
      -----

```

```

      *** READ(1SYS'3) PTRS

```

```

      *** READ(1SYS'4) NOS

```

```

      I
      -----
      I DECKS=NOS(LESSON)      I
      I I1 =PTRS(LESSON)      I
      I I2 =I1+NOS(LESSON)-1  I
      I J =0                  I
      -----

```

```

      I
      I
      +-----+
      + 00      +
      +-----+
      +-----+
      + 400      +
      +-----+
      + I = I1 + I2 +
      +-----+
      I
      I
      -----
      I J =J+1      I
      -----
      I

```

```

      *** READ(1HEAD'I) (HEADER(K,J),K =1,65)

```

```

      +00 +-----+ CONTINUE

```

```

      I
      (CONTINUED ON PAGE 81)

```

4-000 P12 FOR LOGIC MANUAL

\*\*\* A.I.S. VER 1.0 \*\*\*

\*\*\*

PAGE 11

```

      I
      I
      +-----+
      + 00      +
+++++++ 600      +
+      + K = 1, 10  +
+      +-----+
+      I
+      I
+      +-----+
+      + 00      +
+++++++ 600      +
+      + J = 1, 48  +
+      +-----+
+      I
+      I
+      +-----+
+      + 00      +
+++++++ 600      +
+      + I = 1, 17  +
+      +-----+
+      I
+
+      2STID(I,J,K) = 0
+
500 ++++++ CONTINUE
      I
      +-----+
      + 00      +
+++++++ 700      +
+      + I = 1, 10  +
+      +-----+
+      I
+      I
+
+-----+
+ I SUMSQ(I) =0.0      I
+ I SUM(I) =0.0      I
+-----+
+      I
+
500 ++++++ CONTINUE
      I
      +-----+
      + 00      +
+++++++ 800      +
+      + I = 1, 60  +
+      +-----+
+      I
+      I
+
+-----+
+ I MAX(I) =-1000      I
+ I MIN(I) =10000      I
+ I SDEV(I) =0      I
+ I SAMPLE(I) =0      I
+ I MEAN(I) =0      I
+-----+
+      I
+      I

```

(CONTINUED ON PAGE 82)

\*\*\*\* PROGRAM LOGIC MANUAL \*\*\*\* A.I. L.S. VERSION III \*\*\*\*

PAGE 1

+  
+  
+  
I

600 ++++++++ CONTINUE

I

-----  
I ENDFIL =0  
-----

I

\*\*\* READ(1SYS\*1) ROSTER.

I

I

. \* \* .

. \* IF \* .

\* (ROSTER.GT.0) \*

I \* . \* I

I \* . \* I

I \* . \* I

- I - 0 I + I

-----  
I GOTO 150 I I I I  
-----

CALL ERRPR(PNAME,0,6)

\*\*\* RETURN

650

CONTINUE

DO 6500 STDEMT = 1, ROSTER

I

+-----+

+ DB +

+++++++ 875 +

+ I = 1,10 +

+ +-----+

+ I

+ ANSWER(I,STDEMT) = 0

+ +

75 ++++++++ CONTINUE

I

-----  
I COUNTER =0  
-----

I LRI =0

I POINTR =1  
-----

I

DO 6250 TEST = 1, DECKS

I

(CONTINUED ON PAGE 83)

\*\*\* PLOT FOR LOGIC MANUAL \*\*\* ALL I.S. VER. 01 1 III \*\*\*

```

      I
      I
      I
      * * *
      * IF *
      *(POINTS.LE.COUNT) *
      I * *
      I * *
      I * *
      - I      0 I      + I
      -----
      I GOTO 1500 I      I      I
      -----
  
```

```

      I
      I
      * * *
      * IF *
      *(ENDFIL.NE.0) *
      I * *
      I * *
      I * *
      - I      0 I      + I
      -----
      I GOTO 1000 I      I      I
      -----
  
```

```

      I
      I
      * * *
      * IF *
      *(LRI.NE.0) *
      I * *
      I * *
      I * *
      - I      0 I      + I
      -----
      I GOTO 1000 I      I      I
      -----
  
```

CALL TPDATA( STUDENT , FLAG , IRI ,COUNT, REPLY)

I  
(CONTINUED ON PAGE 84)



\*\*\* PROGRAM LOGIC MANUAL

\*\*\* A.I.M.S. VERSION 111

\*\*\*

PAGE

```

      I
      I
      I
      . * * .
      * IF *
      * (FLAG.NE.0) *
      I * . * I
      I * . * I
      I * . * I
      - I      0 I      + I
-----
I GOTCI000 I      I      I      I
-----

```

```

      I
-----
I POINTER =1 I
-----
      I
      I
-----
I 15001
-----

```

000

CONTINUE

GO TO(6000 , 1400 , 1200) , FLAG

1200

CONTINUE

\*\*\* RETURN

1400

CONTINUE

```

      I
-----
I ENDFIL =1 I
-----
      I
      I
-----
I 60001
-----

```

000

CONTINUE

(CONTINUED ON PAGE 85)

\*\*\* P L 222 BASIC MANUAL \*\*\* A.I.C.S. VERSION III \*\*\*

```

      I
      I
      I
      . * . * .
      . * IF * .
      *(REPLY(3,POINTR)-HEADER(3,TEST))
      I * . * I
      I * . * I
      I * . * I
      - I      0 I      + I
      -----
      I 1700I      I 1600I      I 6000I
      -----

```

500

CONTINUE

```

      I
      I
      . * . * .
      . * IF * .
      *(REPLY(4,POINTR)-HEADER(4,TEST))
      I * . * I
      I * . * I
      I * . * I
      - I      0 I      + I
      -----
      I 1700I      I 1800I      I 6000I
      -----

```

700

CONTINUE

```

      I
      -----
      I I      =REPLY(1,POINTR)      I
      I J      =REPLY(2,POINTR)      I
      I K      =REPLY(3,POINTR)      I
      I L      =REPLY(4,POINTR)      I
      -----
      I
      CALL FRGRP(PNAME,0,5,I,J,K,L)
      I
      -----
      I POINTR =POINTR+1      I
      -----
      I
      I
      -----
      I 900 I
      -----

```

800

CONTINUE

```

      I
      -----
      I TYPE =HEADER(4,TEST)      I
      -----

```

PROGRAM LOGIC MANUAL \*\*\*\* 4.1.7.3. VER. 1.1.11 \*\*\*\*

PAGE 1

```

      I
      NOQST=HEADER(13,TEST)
      I

```

```

-----
I SELECT =0
I PSELECT =0
I RITE =0
I NOGRD=0
-----

```

```

      DO 2000 I = 1, 17
      I

```

```

-----
I SCRATCH(I) =REPLY(I,POINTR)
-----

```

```

CONTINUE

```

```

      DO 3000 QST = 1, NOQST
      I

```

```

-----
I QNO =QST+17
I ANS =HEADER(QNO,TEST)
I RSP =REPLY(QNO,POINTR)
I NO =IPASS(ANS,RSP,NOPCH,COUNT)
-----

```

```

      +-----+
      + DU

```

```

+++++++++ 2100

```

```

+ I = 1, 11

```

```

      I

```

```

      QUESTION(I,QST,TEST) = QUESTION(I,QST,TEST) + COUNT(I)

```

```

100 ++++++++ CONTINUE

```

```

      I

```

```

      I

```

```

      * * *

```

```

      * IF
      * (ANS.EQ.1)

```

```

      I *

```

```

      I *

```

```

      I *

```

```

      - I

```

```

      O I

```

```

      + I

```

```

-----
I GOTO1600
-----

```

```

-----
I
-----

```

```

-----
I
-----

```

```

      I
      (CONTINUED ON PAGE 87)

```



DATA PROGRAM LOGIC MANUAL \*\*\* A.I.L.S. V-85100 III \*\*\*\*\*

I  
SCRTCH(OND) = NO

CONTINUE

GO TO(3200,3400,3600,3800,3400,4200,4400,4600,4800),TYPE

CONTINUE

-----  
I C =RITF I  
I Q =HEADER(12,TEST) I  
I GRADE=(C/Q)\*100.0 I  
-----

I  
I  
-----  
I 5000 I  
-----

CONTINUE

-----  
I GRADE=0.0 I  
-----

DO 3700 GST = 1 , MCQST

-----  
I QND =QST+17 I  
I RSP =RPLY(CND,PGINTR) I  
-----

I  
I  
I  
\* \* \* \* \*  
\* IF \* \*  
\* (RSP.NE.3) \*  
I \* \* \* \* I  
I \* \* \* \* I  
I \* \* \* \* I  
I \* \* \* \* I  
- I 0 I + I  
-----  
I GOTGI640 I I I I  
-----

-----  
I GRADE=GRADE+10.0 I  
-----



```

      I
      I
      . * *
      . * [F *
      (RSP,FQ,17) *
      I * I
      I * I
      I * I
      - I 0 I + I
      -----
      I GRALI=GRADI+3.0 I I
      -----

```

```

GRADE=GRADE/(HEADER(12,TEST))*10.0

```

```

I C      =RSELECT
I Q      =HEADER(12,TEST)
I H      =SELECT
I P      =HEADER(11,TEST)-Q
I X      =C*(H/P)
I GRADE=(C-X)/Q*100.0

```

CONTINUE

\*\*\* PROGRAM LOGIC MANUAL \*\*\* A.I.D.S. VTEST III \*\*\*\*\*

I

CONTINUE

CONTINUE

CONTINUE

CONTINUE

CONTINUE

I

I GRADE=0

I

I

CONTINUE

I

I INTR =ROUND(GRADE)

I

I

I

I

. \* .

. \* IF .

\*(INTL.GT.MAX(TEST))MAX(TEST)

I \* .

I \* .

I \* .

- I O I + I

I =INTI I I I I

I

I

. \* .

. \* IF .

\*(INTR.LT.MIN(TEST))MIN(TEST)

I \* .

I \* .

I \* .

- I O I + I

I =INTI I I I I

SAMPLE(TEST) = SAMPLE(TEST) + I

SUM( TEST ) = SUM( TEST ) + GRADE

SUMSQ( TEST ) = SUMSQ( TEST ) + ( GRADE \* GRADE )

I

(CONTINUED ON PAGE 92)



\*\*\* PROGRAM LOGIC MANUAL \*\*\* 3.1.0.0. VERSION III \*\*\*

ANSWER (TEST, STOP IT) = INTR

SCRTC(11) = INTR

$$I_{(T+1)} = ((ST)_{(T)} - 1) * DECKS + TEST$$

```
*** WRITE (ISCPCH, IREC) SCPTCH
```

20 5400 GST = 1.7 AC GST  
I

1 QNQ =2ST+17

```

      I
      I
      I
      . * * .
    . * IF * .
  * (SCRATCH(ONE).LF.0) *
  I * . * I
  I * . * I
  I * * I
- I 0 I + I
-----
I GOTO I200 I I I I

```

```
OSTIGN(12,OST,TEST) = OSTIGN(12,OST,TEST) + 1000
```

$$QSTION(14,QST,TEST) = QSTION(14,QST,TEST) + 1$$

I 55001

2200 CONTINUE

```
QSTION(13,QST,TEST) = QSTION(13,QST,TEST) + INTR
```

```
QSTION(15,QST,TEST) = QSTION(15,QST,TEST) + L
```

500 CONTINUE

```

I POINTR =POINTR+1

```

\*\*\* P PROGRAM LOGIC MANUAL \*\*\* A.I.E.S. VERSION III \*\*\*

```

      I
      I
      I
      *
      *
      * IF
      * (1-ST.NF.DECKS) *
      I * I
      I * I
      I * I
      - I 0 I + I
      -----
      I GETG1250 I I I I
      -----
  
```

```

      I
      I
      *
      *
      * IF
      * (PTRINTR,ST.COUNTER) *
      I * I
      I * I
      I * I
      - I 0 I + I
      -----
      I GETG1250 I I I I
      -----
  
```

```

      I
      -----
      I DO57508 =PTRINTR,COUNTER I
      I I =REPLY(1,M) I
      I J =REPLY(2,M) I
      I K =REPLY(3,M) I
      I L =REPLY(4,M) I
      -----
  
```

```

      I
      CALL ERROR(PNAME,0,5,I,J,K,L)
  
```

```

      CONTINUE
      I
      -----
      I 6250I
      -----
  
```

300

CONTINUE

ANSWER( TEST,STDET ) = -999

```

      I
      -----
      I IREC =((STDET-1)*DECKS)+TEST I
      -----
  
```

\*\*\* PROGRAM LOGIC MANUAL \*\*\* A.I.S.S. VERT 1 III \*\*\*\*

PAGE 94

I

\*\*\* WRITE(ISOCH\*(REC) MISSED

CONTINUE

CONTINUE

DO 8000 TEST = 1, DECKS

I

I R =SAMPLE( TEST) I

I

I

I

. \* \*

. \* IF \*

\* (N.LE.0) \*

1 \* . \* 1

1 \* . \* 1

1 \* . \* 1

- I 0 I + I

I GOTO1500 I I I I

I

I A =SUM( TEST) I

I G =A/N I

I

MEAN( TEST) = IROUND( G)

I

I

. \* \*

. \* IF \*

\* (N.GT.1) \*

1 \* . \* 1

1 \* . \* 1

1 \* . \* 1

- I 0 I + I

I GOTO1000 I I I I

SDEV( TEST) = 0

I

(CONTINUED ON PAGE 95)

\*\*\*\* PROGRAM LOGIC MANUAL \*\*\*\* A.I.M.S. VERSION 11) \*\*\*\*\*

```

      I
      I
      -----
      I 60001
      -----

```

CONTINUE

```

      I
      I
      -----
      I B      =A*A                      I
      I C      =N*SUMSQ(TEST)           I
      I S      =(N*(N-1))                I
      I SS     =(C-B)/S                   I
      I SD     =SQRT(SS)                  I
      I SDEV(TEST) =IROUND(SD)           I
      -----

```

```

      I
      I
      -----
      I 80001
      -----

```

CONTINUE

```

      I
      I
      -----
      I MEAN(TEST) =-999                  I
      I SDEV(TEST) =-999                  I
      I MAX(TEST)  =-999                  I
      I MIN(TEST)  =-999                  I
      -----

```

CONTINUE

\*\*\* RETURN

END

SUBROUTINE PROC1(LESSON,DECKS, ANSWER , QSTION, REPLY,HEADER ,  
SAMPLE , SDEV, MEAN , MIN, MAX )

COMMON/SYSTEM/NLESS,NDECK,NRTX,NQUEST,NSTUD

COMMON/FILES/IW1(2),IPRINT,IRESPI,ISCRCH, IHEAD,IW2,IQUEST,  
ISTONT, ISCORE , IW3 , ISYS , IW4 , LTSP,IW5

INTEGER \* 2 NAVY(65)

INTEGER \* 2 QRCORD(13), CATGRY

EQUIVALENCE (CATGRY,QRCORD(13))

(CONTINUED ON PAGE 96)

\*\*\* PROGRAM LOGIC MANUAL \*\*\* 4.1.5. VERSION III \*\*\*

PAGE 10

I

INTEGER \* 2 LPERM , NOS(50) , PTR5(50) , HEATER(15,10) , R- TID,  
NOOCH,COUNT(11), SCRATCH(65)

INTEGER PNAME(2), FLAG , DECKS , TEST , TYPE , STUDENT , COST,  
SELECT, RSELECT , RLT , WPLNG , PRINC2 , CST

DATA PNAME/'PROC','ESS'/

INTEGER \* 2 PPLY(65,10) , QSTION(18,48,10) , ANSWER(10,185) ,  
MEAN(60) , SDEV(60) , SAMPLE(50), MAX(60) , MIN(60), AMS , SP

\*\*\* PEAL \* 8 A , B , C , SUMSD(10) , SUM(10)

INTEGER ENDFIL , COUNTP , LRI , POINTS , QND

INTEGER \* 2 MISSED

DATA MISSED/-999/

I

---

I INBOUND(I) =E+0.5

---

I

\*\*\* READ(1SYS'2) LPERM

I

I

. \* .

. \* IF .

\*(LESSON.GT.0.AND.LESSON.LE.LPERM)

I \* . . \* 1

I \* . . \* 1

I \* . \* 1

- I 0 I + 1

---

I GOTO 100 I I I I

---

I

---

I I =LESSON

I J =LPERM

---

I

CALL ERROR(PNAME,0,1,I,J)

\*\*\* RETURN

CONTINUE

CALL TAPSV(LESSON,FLAG)

I

(CONTINUED ON PAGE 97)

\*\*\* PROGRAM LOGIC MANUAL \*\*\* A.I.P.S. VERSION III \*\*\* PA. 97

```

      I
      I
      I
      *
      *
      * IF *
      * (FLAG.NC.0) *
      I *
      I *
      I *
      - I      0 I      + I
-----
I RETURN      I      I      I
-----

```

\*\*\* READ(1SYS'3) PTR5

\*\*\* READ(1SYS'4) NLS

I

```

-----
I DECKS=NGS(LESSON)      I
I I1 =PTR5(LESSON)      I
I I2 =I1+NGS(LESSON)-1  I
I J   =6                  I
-----

```

I

I

+-----+

+ DO +

+++++++ 400 +

+ I = I1 , I2 +

+-----+

I

I

```

-----
I J   =J+1      I
-----

```

I

I

\*\*\* READ(1HEAD'I) (HEADER(K,J),K =1,05)

I

```

-----
I NOQST=HEADER(13,J)      I

```

```

I QND =HEADER(8,J)-1      I
-----

```

I

DO 300 QST = 1 , NOQST

I

```

-----
I IREC =QND+QST      I
-----

```

I

\*\*\* READ(IQUEST'IREC) QRCORD

I

(CONTINUED ON PAGE 98)

\*\*\*\* P QUDAM LOGIC MANUAL \*\*\*\* A.I.T.S. VERSION III \*\*\*\*

```

+
+      I
+      I
+      I
+      . * * .
+      . * IF * .
+      * (CATGRY.GT.0) *
+      I * . * * I
+      I * . * * I
+      I * . * * I
+      - I      0 I      + I
+-----+-----+-----+
+ I G3F0125 I I I I
+-----+-----+-----+

```

QSTION(18,QST,J) = 1

```

+
+      I
+-----+
+ I 300 I
+-----+

```

225

CONTINUE

```

+
+      I
+      I
+      . * * .
+      . * IF * .
+      * (CATGRY.GT.4) *
+      I * . * * I
+      I * . * * I
+      I * . * * I
+      - I      0 I      + I
+-----+-----+-----+
+ I G3T0150 I I I I
+-----+-----+-----+

```

QSTION(18,QST,J) = CATGRY

```

+
+      I
+-----+
+ I 300 I
+-----+

```

250

CONTINUE

QSTION(18,QST,J) = 1

300

CONTINUE

400

+++++++ CONTINUE

I

(CONTINUED ON PAGE 99)

\*\*\* PROGRAM LOGIC MANUAL \*\*\* A.I.M.S. VERSION III \*\*\*\*\*

0.5 0.5

```

      I
      |
      +-----+
      + 00          +
+++++++ 600        +
+   K = 1, 10     +
+   +-----+
+       I
+       I
+   +-----+
+   + 00          +
+++++++ 600        +
+   J = 1, 43     +
+   +-----+
+       I
+       I
+   +-----+
+   + 00          +
+++++++ 600        +
+   I = 1, 17     +
+   +-----+
+       I
+
+
+
+
+
+

```

600 ++++++ CONTINUED

```

      1
      +-----+
      + 80      +
+++++ 700      +
      + I = 1 , 10  +
      +-----+
      1
      1

```

```

I SUMSQ(I) =0.0
I SUM(I) =0.0

```

+ I  
 +  
 ++++++ CONTINUE

```

+-----+
+  90    +
+++++++  800  +
+      +  I  =  1,60  +
+      +-----+
+              I
+              I

```

```

I MAX(I) =-1000
I MIN(I) =10000
I SDEV(I) =0
I SAMPLE(I) =0
I MEAN(I) =0

```

(CONTINUED ON PAGE 100)



\*\*\* PROGRAM LOGIC MANUAL \*\*\* A.I.A.S. VERSION III \*\*\*

+  
+  
+

800 \*\*\*\*\* CONTINUE

I

I COUNTR = 0

I

\*\*\* READ(1SYS'1) ROSTER

I

I

\* \* \*

IF

\* (ROSTER.GT.0) \*

1 \* \*

1 \* \*

1 \* \*

- 1

0 1

+ 1

I SITJ150

I

I

I

I

CALL ERROR(PNAME,0,6)

\*\*\* RETURN

850

CONTINUE

DO 6500 STIDENT = 1, ROSTER

I

+-----+

+ DO

875

+++++++

+ 1 = 1,10

+

+

+

+

+

+

ANSWER(I,STIDENT) = 0

75

+++++++

CONTINUE

I

I COUNTR = 0

I LRI = 0

I POINTR = 1

I

DO 6250 TEST = 1, DECKS

I

(CONTINUED ON PAGE 101)

1999 PROGRAM LIRIC ANNUAL \*\*\* A.I.L.S. VOLUME III \*\*\*

	I		
	I		
	I		
.	*	*	.
. I IF *			.
* (PRINTR.LL.COUNT)			*
I . * I			
I * . *			I
I * . *			I
- I O I + I			
-----			-----
I -0781600	I	I	I

```

      1
      1
      . 1 * .
      . * 11 * .
      * (ENDFILE-1) *
      1 * . * 1
      1 * . * 1
      1 * 1 * 1
      - 1 0 1 + 1
-----
1 6 1 0 0 0 1 1 1 1

```

I  
 I  
 . \* \* .  
 . \* IF \* .  
 \* (LRI.NE.O) \*  
 I \* . \* I  
 I \* . \* I  
 I \* . \* I  
 - I 6 I + I  
 -----  
 I 6761000 I I I I

CALL TPDATA( STUDENT , FLAG , LRI ,COUNTRY, REPLY)

(CONTINUED ON PAGE 102)

NAME PROGRAM L SIC MANUAL \*\*\* A.I.A.S. VERSION III \*\*\*\* PAGE 102

```

      I
      I
      I
      . * * .
      * IF *
      * (FLAG.WF.0) *
      I * I
      I * I
      I * I
      - I 0 I + I
-----
I GOTO1000 I I I I
-----

```

```

      I
-----
I COUNTS =1 I
-----
      I
      I
-----
I 1500I
-----

```

900 CONTINUE  
GO TO(6000 ,1400 , 1200) , FLAG

1200 CONTINUE

\*\*\* RETURN

1400 CONTINUE  
I

```

-----
I FNOFIL =1 I
-----
      I
      I
-----
I 6000I
-----

```

500 CONTINUE  
I  
(CONTINUED ON PAGE 103)

\*\*\*\* PRUG 100 LENTIL MANUAL \*\*\*\* 1.1.0.0. VERSION III \*\*\*\*

```

      I
      I
      I
    . * .
  . * IF * .
*(ZPLY(3,PCHINR)-PEADER(3,TEST))
I * .          . * I
I   .         . * I
I       * . *     I
- I           O I   + I
-----
I 17901        I 16001        I 60001

```

000

CONTINUING

```

      I
      I
    *   *
  *     *
    IF
*(REPLY(4,POINTP)-HEADPR(4,TEST))
  I * . * I
  I * . * I
  I * . * I
- I          I          + I
-----
I 1700I      I 1800I      I 6900I

```

2700

CONTINUE

```

I
-----
I I      =REPLY(1,POINTR)
I J      =REPLY(2,POINTR)
I K      =REPLY(3,POINTR)
I L      =REPLY(4,POINTR)

```

CALL ERPG? (PNAME,0,5,I,J,K,L)

```

I
-----
I POINTER =POINTR+1

```

$$\begin{array}{r} 1 \\ 1 \\ \hline 1\ 909\ 1 \end{array}$$

.300

CONTINUE

```

I
-----
I TYPE = HEADER(1,TEST)

```

(CONTINUED ON PAGE 104)

\*\*\*\*\* PROGRAM LOGIC MANUAL \*\*\*\*\* A.I.S.S. VERSION III \*\*\*\*\*

PAGE 104

I  
NUGST=HEADER(15,TEST)

DO 2000 I = 1, 17

I

I SCRTCH(I) =RPLY(1,PCENTR)  
I NAVY(I) =SCRTCH(I)

I

CONTINUE

I

I DIVNO =0.0  
I VALUE=0.0  
I NORIT=0

I

DO 5000 QST = 1, NUGST

I

I QNO =QST+17  
I AIS =HEADER(QNO,TEST)  
I RSP =RPLY(QNO,PCENTR)  
I NO =IPASS(AIS,RSP,NOORCH,CRUS)

I

SCRTCH(QNO) = NO

I

+-----+  
+ DO +  
+-----+  
+ 2100 +  
+ I = 1, 11 +  
+-----+  
+ I +

QSTION(I,QST,TEST) = QSTION(I,QST,TEST) + COUNT(I)

CONTINUE

I

I

. \* .  
\* IF \*  
\* (ANS.EQ.1) \*  
1 \* 1  
1 \* 1  
1 \* 1  
- I C I + I  
-----  
I GOTO1000 I I I I  
-----

I

(CONTINUED ON PAGE 105)

\*\*\* P. 00000 LOGIC MANUAL \*\*\* A.I.N.S. VERSION III \*\*\* Page 10

```

      I
      I
      I
      . * * .
      . * IF * .
      * (TYPE.EQ.1) *
      I * . * * I
      I * . * * I
      I * . * * I
      - I 0 I + I
      -----
      I GOTCI200 I I I I
      -----
  
```

```

      I
      I
      I
      . * * .
      . * IF * .
      * (TYPE.NE.4) *
      I * . * * I
      I * . * * I
      I * . * * I
      - I 0 I + I
      -----
      I GOTCI200 I I I I
      -----
  
```

```

      I
      I
      . * * .
      . * IF * .
      * (RSP.EQ.1) *
      I * . * * I
      I * . * * I
      I * . * * I
      - I 0 I + I
      -----
      I GOTRI000 I I I I
      -----
  
```

200

CONTINUE

```

      I
      I
      I GSUBI=JSTIUN(I3,QST,TEST) -I
      I DIVDND =DIVDND+GSUBI .I
      -----
  
```

(CONTINUED ON PAGE 106)

\*\*\* PROGRAM LOGIC MANUAL \*\*\* A.I.D.S. VERSION III

```

      I
      I
      I
      . * * .
      . * IF * .
      * (NO.EQ.NOPCH) *
      I * . * I
      I * . * I
      I * . * I
      - I      0 I      + I
-----
I GETC100 I      I      I      I
-----

```

```

      I
-----
I NAVY(RND) =-NOPCH I
-----
      I
      I
-----
I 3000I
-----

```

1400

CONTINUE

```

      I
-----
I VALUE=VALUE+GSUP I
-----
      I
      I
-----
I 3000I
-----

```

FORM 1010 P-11

11

1100

CONTINUE

```

      I
      I
      . * * .
      . * IF * .
      * (NO.EQ.NOPCH) *
      I * . * I
      I * . * I
      I * . * I
      - I      0 I      + I
-----
I NORII=NORII+1 I      I      I
-----

```

(CONTINUED ON PAGE 107)

\*\*\* PROGRAM LOGIC MANUAL \*\*\* 1.1.4.5. VERSION III \*\*\* PAGE 107

I

700

CONTINUE

DO 10(3200,3400,3600,3800,4000,4200,4400,4600,4800),TYPE

-200

CONTINUE

I

IT =HEADER(12,TEST) I  
I GRADE=(NOBIT/T)\*100.0 I

I

I

I 50001

+00

CONTINUE

I

I GRADE=(VALUE/DIVEND)\*100.0 I

I

I

I 50001

300

CONTINUE

I

I GRADE=(VALUE/DIVEND)\*100.0 I

I

I

I 50001

200

CONTINUE

I

I GRADE=(VALUE/DIVEND)\*100.0 I

I

I

(CONTINUED ON PAGE 108)



\*\*\* PROGRAM LERIC MANUAL \*\*\* A.I.L.S. VERSION III \*\*\*

```

      I
      I
-----
I 50001
-----

```

CONTINUE  
I

```

-----
I GRADE=(VALUE/DIVORS)*100.0
-----
      I
      I
-----
I 50001
-----

```

CONTINUE

CONTINUE

CONTINUE

CONTINUE

```

      I
-----
I GRADE=0
-----
      I
CONTINUE
      I
-----
I INTR =IROUND(GRADE)
I NAVY(11) =INTR
-----
      I

```

\*\*\* WRITE(LISP) NAVY

(CONTINUED ON PAGE 109)

\*\*\* POLYMER LETTERS \*\*\* U.S.S.R. VERSION III \*\*\*

```

      I
      I
      I
    . * .
      IF *
    * (INTP.GT.MAX( TEST)) MAX( TEST)
I * . * I
I * . * I
I * * I
- I C I + I
-----
I = INTI   I       I       I

```

```

      I
      I
      . * * .
      . / IF * .
      R(INT0.LT.NIA(TEST))M(IN(TEST))
      I * . * I
      I * . * I
      I * . * I
      - I O I + I
      -----
      I = INT I      I      I      I
      -----

```

SAMPLE(TEST) = SAMPLO(TEST) + 1

$$\text{SUM( TEST )} = \text{SUM( TEST )} + \text{GRADE}$$
$$\text{SUMSQ( TEST)} = \text{SUMSQ( TEST)} + (\text{GRADE} * \text{GRADE})$$

ANSWER (TEST,STUDENT) = INTR

```
SCATCH(11) = INTR
```

$$I \quad IREC = (ISTUDENT-1)*DECKS) + TEST$$

```
*** WRITE (ISCRCH,IREC) SCRTCH
```

DN 5500 QST = 1, NOQST

I QND =RST+17

(CONTINUED ON PAGE 110)

\*\*\*\* PROGRAM LOGIC MANUAL \*\*\*\* ALIEN. S. MIST I. (1) \*\*\*\*

```

      I
      I
      I
      . * * .
      . * IF * .
      * (EC.TCH(PW).LE.0) *
      I * . * I
      I * . * I
      I * . * I
      - I      0 I      + I
      -----
      I GOTO 1200      I      I      I      I
      -----
  
```

QSTION(12,QST,TEST) = QSTION(12,QST,TEST) + 1

QSTION(14,QST,TEST) = QSTION(14,QST,TEST) + 1

```

      I
      -----
      I 5500
      -----
  
```

CONTINUE

QSTION(13,QST,TEST) = QSTION(13,QST,TEST) + 1

QSTION(15,QST,TEST) = QSTION(15,QST,TEST) + 1

CONTINUE

```

      I
      -----
      I PCINTR =PCINTR+1
      -----
  
```

```

      I
      I
      I
      . * * .
      . * IF * .
      * (TEST.NE.DECKS) *
      I * . * I
      I * . * I
      I * . * I
      - I      0 I      + I
      -----
      I GOTO 1250      I      I      I      I
      -----
  
```

(CONTINUED ON PAGE 111)



I  
I  
( CONTINUED ON PAGE 113)











ERIC  
Full Text Provided by ERIC

CONTINUE

```

      I
      I
      . * .
      . * (F * .
      * (XDFLAG.EQ.0) *
      I * . * I
      I * . * I
      I * * I
      - I 0 I + I
-----
I SORTICO) I I I
-----

```

```
***  *FAL(ITAPF,FAD=8700)  RSP=US
```

```

      I
      I
      . * * .
      . * IF * .
      *(PSPONS(1).NE.LFSS)*
      I * . * I
      I * . * I
      I * * I
      - I 0 I + I
      -----
      I GLTCID00 I I I I

```

```

      I
-----
I RCOUNT =RCOUNT+1

```

```

      I
      I
      +-----+
      +  ))  +
+++++ 2200 +
      + I = 1.4 +
      +-----+
      I
      I

```

(CONTINUED ON PAGE 118)

\*\*\* PROGRAM LOGIC MANUAL \*\*\* 4.1.1.5. VHSIOW III \*\*\* 11

```

+
+       I
+       I
+       I
+       . * .
+       . * I * .
+       * (SQRT(1)-RSPENS(1)) *
+       I * .
+       I * .
+       I * .
+       - I       I       + I
+ -----
+ I 23001       I 22001       I 21001
+ -----

```

7100

```

+       CONTINUE
+       I
+ -----
+ I J      =SQRT(1)
+ I X      =RSPENS(1)
+ -----
+       I
+
+       CALL ERROR(PNAME,0,2,RCOUNT,I,J,X)
+       I
+ -----
+ I FLAG =3
+ -----
+       I
+
+ *** RETURN
+

```

2200

```

+ ***** CONTINUE
+       I
+ -----
+ I I      =RSPONS(2)
+ I J      =RSPONS(3)
+ I K      =RSPONS(4)
+ -----
+       I
+
+       CALL ERROR(PNAME,0,3,RCOUNT,I,I,X)
+       I
+ -----
+ I FLAG =3
+ -----
+       I
+
+ *** RETURN
+

```

300

```

+       CONTINUE
+       I
+ (CONTINUED ON PAGE 119)

```

(CONTINUED ON PAGE 129)

\*\*\* PROGRAM LOGIC MANUAL \*\*\* A.I.P.S. VERSION III \*\*\*

120

```

      I
      LCI=1
      I
      I
      * * *
      * IF *
      * (COUNT.NF.0) *
      I *
      I *
      I *
      - I      0 I      + I
      -----
      I SETUP      I      I      I      I
      -----
  
```

```

      I
      -----
      I FLAG =1
      -----
      I
  
```

\*\*\* RETURN

000

CONTINUE

```

      I
      I
      * * *
      * IF *
      * (COUNT.LT.10) *
      I *
      I *
      I *
      - I      0 I      + I
      -----
      I GETC1500      I      I      I      I
      -----
  
```

```

      I
      -----
      I LCI =0
      I RDFLAG =0
      -----
      I
  
```

\*\*\* RETURN

500

```

      I
      -----
      I COUNT=COUNT+1
      -----
      I
      I
  
```

```

      +-----+
      + DO
      ++++++ 5000
      + I = 1, 65
      +-----+
      I
      I
  
```

(CONTINUED ON PAGE 121)

\*\*\* P L N A S L T L E S A D A I \*\*\* C . L . S . S . M E S S I N G I I I \*\*\* 1 1 1 1 2 1

+  
+  
+  
+ \*\*\* R E P L Y ( I , C O U N T ) = A C P B A C ( I )  
+

GOO ++++++ C O N T I N U E

I

I 25000

8000

C O N T I N U E

I

I C M D F I L = 1

I

I

I

I

I

I

I

I

I

I

I

I

I

I

I

I

I

I

I

I

I

I

I

I

I

I

I

I

I

I

I

I

I

I

I

I

I

I

I

I

I

I

I

I

I

I

(CONTINUED ON PAGE 122)

\*\*\* PROGRAM LATIC MANUAL \*\*\* 7.1.1.1. VERSION III \*\*\* 22 12

I

ROUTINE PROC(LESSON,DECKS, ANSWER, SECD, PTRS, SAMPLE, SOLV, MAX, MIN, MAX)

\*\*\* REAL \* 2 SUM(20), SURSO(20), A, B, C

INTEGER \* 2 ANSWER(10,150), SECD(10,150), PTRS(10,150),  
SAMPLE(60), SOLV(60), MAX(60), MIN(60), MAX(60)

INTEGER \* 2 RECORD(60), TABLE(2,10), PTRS(50), IODE(10)

COMMON/SYSTEM/LESS,MODECK,PREX,NOJST,NSTUD

COMMON/FILES/ IML(4), ISCRCH, IPEAD, IK1, IREQST,  
ISTDNT, ISCORE, IWB, ISYS, IW4(3)

INTEGER \* 2 CAPIN, POSTER

EQUIVALENCE(CAPIN,RECORD(25))

INTEGER DECKS, STDEBT, TEST, ONO, OST, AVG, AVG2

I

+-----+

+ DO +

+++++ 250 +

+ I = 1,20 +

+ +-----+

+ I

+ I

+ +-----+

+ I SUM(1) = 0.0 I

+ I SURSO(1) = 0.0 I

+ +-----+

+ I

+ +-----+

250 +++++ CONTINUE

\*\*\* READ(ISYS\*3) PTRS

I

+-----+  
I J = PTRS(LESSON) I

I

I

+-----+

+ DO +

+++++ 500 +

+ I = 1, DECKS +

+ +-----+

+ I

+ +-----+

\*\*\* READ(IHEAD\*J) RECORD

+  
+ TABLE(1,I) = RECORD(8)

+  
+ TABLE(2,I) = RECORD(13)

I







$$I = \text{CAP} \cdot I^*$$

C O N T I N U E

```

      I
      I
      . * * .
      . * IF * .
      *(ANSWER(1,STOENT).NE.-999.AND.ANSWER(2,STOENT).NE.-100)
      1 * .      . * 1
      1 * .      . * 1
      1      * . *      I
      - I      0 1      + I
      -----
      I GOTU1200      I      I      I      I

```

SECOND (3, STUDENT) = -900

I 15001

```
1 A      =ANSWER(1,STUDENT)
```



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CONTINUE

```

      I
      I
      . * .
      . * IF * .
      *(ANSWER(B,STUDENT)-NG.-GGG.AND-ANSWER(I,STUDENT).GT.-GGG)
      I * . * I
      I * . * I
      I * . * I
      - I O I + I
-----
I GETCI790 I I I I
-----

```

```
SECIND(5,STUDENT) = -0.22
```

SECOND(6,STUDENT) = -999

1  
-----  
1 20001

CONT INUE

```

1
-----
1 A      =ANSWER(3,STUDENT)
1 GRADE=((3.0*A)+ANSWER(4,STUDENT))
1 INTER=ROUND(GRADE)

```

```
SEC7ND(5,STUDENT) = INFER
```

SAMPLE(15) = SAMPLE(15) + 1

```

[
-----
[ SUM(15) =SUM(15)+GRADF
[

```

1	+	1
1	+	1
1	+	1
- 1	+	1
1 + 1 = 2		1 + 1 = 2

	1	*	.				.	*	1
	1		.	.		.	*		1
	1			*	.	*			1
-	1			9	1			+ 1	
<hr/>									
1	=	INTER		1		1		1	1

1	*	.						*	1
1		.	.				.	*	1
1				*	.	*			1
- 1				0	1			+	1
<hr/>									
1	GOTAI200				1		1		1

I  
-----  
1 20001

I GRADE=GRADE-CAP IN



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CONTINUE

DD 2600 TEST = 1 , DECKS  
I  
(CONTINUED ON PAGE 130)





ALBA PROGRAM LOGIC MANUAL \*\*\* A.I.N.S. V PSI V III \*\*\*

I

200

CONTINUE

ASTION(17,END,TEST) = ASTION(17,END,TEST) + 1

500

CONTINUE

1000

CONTINUE

2000

CONTINUE

I

I

\* \*

IF \*

\*(SAMPLE(13).ST.G) \*

1 \* \*

1 \* \*

1 \* \*

- 1 0 1 1

-----  
1 5000000 1 1 1 1  
-----

I

+-----+

+ 00 +

+++++++ 3500 +

+ + I = 1,ROSTER +

+ +-----+

+ I

+ SECOND(4,1) = - 282

+ +

500

+++++++ CONTINUE

I

-----  
I 51001  
-----

1000

CONTINUE

I

-----  
I GRADE=SUM(13)/SAMPLE(13) I  
I AVG =ROUND(GRADE) I  
-----

I

00 5000 STDET = 1,ROSTER

I

(CONTINUED ON PAGE 132)



\*\*\* PROGRAM LOGIC MANUAL \*\*\* A.I.E.S. VERSION III \*\*\*

```

      I
      I
      I
      . * .
      . * IF * .
      * (INTER.ST.MAX(14)) MAX(14)
      I * . * I
      I * . * I
      I * . * I
      - I      0 I      + I
      -----
      I = I - 71      I      I      I      I
      -----
  
```

7000 CONTINUE

8100 CONTINUE

```

      I
      I
      . * .
      . * IF * .
      * (SAMPLE(16).GT.0) *
      I * . * I
      I * . * I
      I * . * I
      - I      0 I      + I
      -----
      I GOTO 1200      I      I      I      I
      -----
  
```

```

      I
      +-----+
      + DO      +
      ++++++++ 5500 +
      + I = 1, POSTER +
      +-----+
      + I
      +
      SECOND(7, I) = -898
      +
  
```

8000 ++++++++ CONTINUE

```

      I
      -----
      I 71001
      -----
  
```

9000 CONTINUE

```

      I
      -----
      I GRADE = SUM(16) / SAMPLE(16)      I
      I AVG = IROUND(GRADE)                I
      -----
  
```



\*\*\* PROGRAM LUTIC MANUAL \*\*\* A.I.D.S. VERSION III \*\*\*

```

      I
      I
      I
      . * .
      . * IF * .
      *(INTP.LT.MIN(17))MIN(17)
      I * . * I
      I * . * I
      I * . * I
      - I      0 I      + I
      -----
      I =INTP      I      I      I      I
      -----
  
```

```

      I
      I
      I
      . * .
      . * IF * .
      *(INTP.GT.MAX(17))MAX(17)
      I * . * I
      I * . * I
      I * . * I
      - I      0 I      + I
      -----
      I =INTP      I      I      I      I
      -----
  
```

.000

CONTINUE

.100

CONTINUE

DO 8000 TEST = 11,17

I

I I =SAMPLE( TEST) I

```

      I
      I
      I
      . * .
      . * IF * .
      * (N.LE.0) *
      I * . * I
      I * . * I
      I * . * I
      - I      0 I      + I
      -----
      I GOTP1500      I      I      I      I
      -----
  
```

I

I A =SUM( TEST) I

(CONTINUED ON PAGE 136)

\*\*\* PROGRAM LOGIC MANUAL \*\*\* A.I.D.S. MASTER III \*\*\*

I  
G=A/N

MEAN(TEST) = IROUND(G)

I  
I  
I  
\* \* \*  
\* \* IF \* \*  
\* (N.C.T.1) \*  
I \* \* I  
I \* \* I  
I \* \* I  
- I 0 I + I  
-----  
I 00TL1300 I I I I  
-----

SDEV(TEST) = 0

I  
-----  
I 8000I  
-----

300

CONTINUE

I  
-----  
I E =A+A I  
I C =N\*SUMSQ(TEST) I  
I S =I\*(K-1) I  
I SS =(C-8)/S I  
I SD =SORT(SS) I  
-----

I  
SDEV(TEST) = IROUND(SD)

I  
-----  
I 8000I  
-----

500

CONTINUE

MEAN(TEST) = -999

SDEV(TEST) = -999

I  
-----  
I MAX(TEST) =-999 I  
I MIN(TEST) =-999 I  
-----

\*\*\* PROGRAM LOGIC MANUAL \*\*\* A.I.D.S. VOLUME III \*\*\*

1  
100 CONTINUE  
20 10000 TEST = 1, DUKAS

-----  
I INK =TABLE(2,TEST) I  
I I A =TABLE(1,TEST) I  
-----

20 10000 PST = 1, ADW

-----  
I IRIC =OST+INK-1 I  
-----

\*\*\* READ(IQUEST\*IRIC) RECDPO

-----  
+ 03 +  
+++++++ 8500 +  
+ I = 1,11 +  
+-----+  
+ I +  
+ I +  
+-----+  
+ I J =I+20 I  
+ I RECDRL(J) =OSTION(1,OST,TEST) I  
+-----+  
+ I +

300 ++++++ CONTINUE

-----  
+ 00 +  
+++++++ 8800 +  
+ I = 24,25 +  
+-----+  
+ I +  
+ I +  
+-----+  
+ I J =I-12 I  
+ I T =OSTION(J+2,OST,TEST) I  
+-----+  
+ I +

(CONTINUED ON PAGE 138)





\*\*\* PROGRAM LOGIC MANUAL \*\*\* B.I.S.S. VERSION III \*\*\*

```

      I
      I
      I
      . * .
      . * IF * .
      * (INTER.GT.0) *
      I * . * 1
      I * . * 1
      I * . * 1
      - I      0 I      + 1
-----
I GOTO 1100  I      I      I      I
-----

```

```

*** RECORD(21) = - 99
      I
-----
      I 92001
-----

```

CONTINUE

```

-----
I S      = RECORD(26)      I
I GRADE = ((S/INTER)*100.0)  I
-----

```

\*\*\* RECORD(21) = IROUND(GRADE)

CONTINUE

```

-----
I INTER = SDEV(TEST)      I
-----

```

```

      I
      I
      I
      . * .
      . * IF * .
      * (INTER.GT.0) *
      I * . * 1
      I * . * 1
      I * . * 1
      - I      0 I      + 1
-----
I GOTO 1300  I      I      I      I
-----

```

\*\*\* RECORD(22) = -999

(CONTINUED ON PAGE 140)

1  
1  
-----  
1 95001  
-----

CONTINUE

1  
1  
\* \* \*  
\* \* IF \* \*  
\* (RECORD(24) \* 9.9 \* RECORD(25) \* 10.0 \* 1.0)  
1 \* \* \* \* \*  
1 \* \* \* \* \*  
1 \* \* \* \* \*  
- 1 \* \* \* \* \*  
-----  
1 95001400 1 1 1 1 1  
-----

1  
-----  
1 S = RECORD(24) - RECORD(25) 1  
1 T = RECORD(26) + RECORD(27) 1  
1 T1 = RECORD(26) / T 1  
1 T2 = 1.0 - T1 1  
1 T = T1 \* T2 1  
1 GRADE = ((SQRT(T) / INTER) \* 100.0) \* S 1  
-----

\*\*\* RECORD(22) = IFOUND(GRADE)

1  
-----  
1 95001  
-----

CONTINUE

\*\*\* RECORD(22) = -999

CONTINUE

\*\*\* RECORD(23) = SDEV(TEST)

\*\*\* WRITE(IQUEST, IREC) RECORD

CONTINUE

\*\*\* READ(ISTONT, I) RECORD

1  
-----  
1 IDENT(5) = RECORD(5) 1  
-----

PROGRAM LOGIC MANUAL

```

      I
      IDENT(1)=LESSON
      I
      -----
      I IDENT(2) =-4
      I IDENT(3) =0
      I IDENT(4) =0
      I NQUB = STUDENT
      I IREC = ((LESSON-1)*NQU)+1
      I
  
```

```

*** WRITE(ISCORE*IREC) IDENT , SAMPLE
      I
  
```

```

      I IDENT(2) =-3
      I IREC =IREC+1
      I
  
```

```

*** WRITE(ISCORE*IREC) IDENT , MAX
      I
  
```

```

      I IDENT(2) =-2
      I IREC =IREC+1
      I
  
```

```

*** WRITE(ISCORE*IREC) IDENT , MIN
      I
  
```

```

      I IDENT(2) =-1
      I IREC =IREC+1
      I
  
```

```

*** WRITE(ISCORE*IREC) IDENT , MAX
      I
  
```

```

      I IDENT(2) =0
      I IREC =IREC+1
      I
  
```

```

*** WRITE(ISCORE*IREC) IDENT , SERV
  
```

```

      DO 12000 STUDENT = 1, NOSTR
      I
  
```

```

      I IDENT(2) =STUDENT
      I IREC =IREC+1
      I
  
```

```

*** WRITE(ISCORE*IREC) IDENT , (ANSWER(I,STUDENT),I=1,10) ,
      (SECOND(J,STUDENT),J = 1,10)
      I
  
```





\*\*\* PROGRAM LOGS \*\*\*

```

      I
      I
      I
      * * *
      * IF *
      * (CAP1,CT,MAX(11)) * AX(11)
      I * *
      I * *
      I * *
      - I      0 I      + I
      -----
      I =CAP1  I      I      I      I
      -----
  
```

```

      I
      I
      I
      * * *
      * IF *
      * (CAP1,CT,MIN(11)) * MIN(11)
      I * *
      I * *
      I * *
      - I      0 I      + I
      -----
      I =CAP1  I      I      I      I
      -----
  
```

290

CONTINUE

OL 2000 TEST = 1 , SECKS

```

      I
      I
      I
      * * *
      * IF *
      * (ANSWER (TEST,STUDENT).GE.-99)
      I * *
      I * *
      I * *
      - I      0 I      + I
      -----
      I GO TO 1100 I      I      I      I
      -----
  
```

SECOND(TEST+1,STUDENT) = -99

```

      I
      -----
      I 2000
      -----
  
```

(CONTINUED ON PAGE 145)

\*\*\* PROGRAM LOGIC MANUAL \*\*\* A.I. S. 8-9510-111

104 CONTINUE  
1

```

1  T = ANSWER(TTEST,STREET)-GRACE(TEST)
2  S = 1/SDCV(TEST)
3  GRACE=(S*1.401455)
4  INTR = 100*ID(GRACE)

```

```

STORE (FIRST + 1, STORE-1) = (AIR
1

```

$$I_{LL} = T + ST + IL$$

```

      I
      I
      I
          *   *
        *     *
      * [F    *
    * (*INTS-01.FAX(UL))MAX(UL)
  I *         * I
  I           * . * I
  I             * . * I
- I              O I       ÷ I
-----
I =INT I            I      I      I      I

```

```

      I
      I
      *
      IF
      *(INTR.LT.NIP(LL))*NIP(LL)
      *
      *
      *
      G I
      + I
-----
I = I Y I    I    I    Y    I

```

I	
I	SUM(LL) =SUM(LL)+GRADE
I	SUMSQ(LL) =SUMSQ(LL)+(GRADE*GRADE)

SAMPLE(LL) = SAMP1E(LL) + 1

COMPLER

(CONTINUED ON PAGE 14-)

#000 P CHAM L 1510 80 UAL \*\*\*\*\* A.I.S. VFD 100 110 \*\*\*\*\*

```

      I
      U LOC. FIRST = 1 , FCHS
      I
      I
      . * * .
      . * IF *
      *(ANSWER(FIRST,STUDENT)).LT. CA(I,ST))
      I * . * * I
      I * . * * I
      I * * * I
      - I O I + I
      -----
      I GOT IT! I I I I

```

$$I = \frac{1}{N} \sum_{i=1}^N (I_i - \bar{I})^2$$

\*\*\* READ (ISLRCH, IREC) REC7FD

```
1  NUN  =TABLE(2,TEST) 1
```

20 25 30 35 = 1, 2, 3, 4

I GST = GNC+17

```

      *          *          *
      .          *          *
      *          IF          *
      *          *          *
      *(RECORD(OST).(LT,1) *
      I          *          I
      I          *          I
      I          *          I
      - I          O I          + I
-----
I GCT01250    I          Y          I          I

```

```
QUESTION(16,END,TEST) = QUESTION(16,END,TEST) + 1
```

(CONTINUED) ON PAGE 147)



\*\*\* PROGRAM LOGIC MANUAL \*\*\* A.L.S. VERSION III \*\*\*

PAGE 147

I  
I  
-----  
I 25001  
-----

CONTINUE

OSTION(17, N, TEST) = OSTION(17, N, TEST) + 1

CONTINUE

CONTINUE

CONTINUE

I AUM = RECKS + 1 I

I

ON 8000 TEST = 11, NUN

I

I V = SAMPLE (TEST) I

I

I

I

\* \* \*  
\* \* (F \* \*  
\* \* (N, L, C) \* \*

I \* \* \* I

I \* \* \* I

I \* \* \* I

- I G I + I

I GOTD1500 I I I I

I

I A = SUM (TEST) I

I C = A/N I

I

REAR (TEST) = IROUN (C)

I

(CONTINUED ON PAGE 148)

1

1

1

**I**

I



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\*\*\* PROGRAM LOGIC MANUAL \*\*\* A.I.M.S. VERSION III \*\*\*

1

000

CONTINUE

DO 10000 TEST = 1, 00000

I

I QST = TABLE(2,TEST)

I

I INK = TABLE(1,TEST)

I

I

DO 10000 QST = 1, QST

I

I IPFC = QST+INK-1

I

I

\*\*\* READ(1,QUEST\*IPFC) RECORD

I

+-----+

+ DO +

+++++++ 8500 +

+ I = 1,11 +

+ +-----+

+ I

+ I

+ +-----+

+ I J = J+29 I

+ I RECORD(J) = QSTION(1,QST,TEST) I

+ +-----+

+ I

+ +-----+

+ CONTINUE

I

+-----+

+ DO +

+++++++ 8800 +

+ I = 24,25 +

+ +-----+

+ I

+ I

+ +-----+

+ I J = J-12 I

+ I T = QSTION(J+2,QST,TEST) I

+ +-----+

+ I

+ I

(CONTINUED ON PAGE 150)

(CONTINUED ON PAGE 151)

\*\*\* PROGRAM LOGIC MANUAL \*\*\* A.I.C.7. 2.21 v III \*\*\*

I  
 I  
 I  
 . \* \*  
 . \* IF \*  
 \* (INTEREST) \*  
 I \* . \* I  
 I \* . \* I  
 I \* . \* I  
 - I ( I + I  
 -----  
 (GIVEN) I I I

\*\*\* ACORN(21) = -99;

I 92001

-100

CONTINUED

```

I S      =RECORD(26)
I GRADE=((S/INTER)*100.0)

```

```
*** RECONF(21) = IROUND(CPAGE)
```

CONTINUE

```

1 INTER=SDDEV(FEST)

```

```

      I
      I
      I
      . * * .
    . * IF * .
  * (INTER.GT.0) *
  I * . . * I
  I * . . * I
  I * . * I
- I 0 I + I
-----
I GUIG1300 I I I I

```

\*\*\* RECORD(22) = -999

(CONTINUED ON PAGE 152)

STATISTICS PROGRAM USER MANUAL \*\*\* 4.1. S. VERSION 1.11 \*\*\* 1

I  
I  
-----  
I 950.1  
-----

CONTINUE

I  
I  
\* \* \*  
IF \*  
\*(RECORD(24).EQ.-999.00.2)GOTO(25).50.-000)  
I \* \* \* \* I  
I \* \* \* \* I  
I \* \* \* \* I  
I \* \* \* \* I  
- I C I I I  
-----  
I GOTO1400 I I I I  
-----

I  
-----  
I S =RECORD(24)-RECORD(25) I  
I T =RECORD(26)+RECORD(27) I  
I T1 =RECORD(26)/T I  
I T2 =1.0-T1 I  
I T =T1\*T2 I  
I GRADE=((SQRT(T)/INTER)\*100.0)\*S I  
-----

\*\*\* RECORD(22) = IROUND(GRADE)

I  
-----  
I 95001  
-----

CONTINUE

\*\*\* RECORD(22) = -999

CONTINUE

\*\*\* RECORD(23) = SDEV(TEST)

\*\*\* WRITE(IQUEST\*1PEC) RECORD

CONTINUE

\*\*\* READ(ISTDNT\*1) RECORD

I  
-----  
I IDENT(5) =RECORD(5) I  
-----

\*\*\* PROGRAM L-ERIC MANUAL \*\*\* A.I.M.S. VERSION III

\*\*\*

-A- 1 1

```

      I
      IDENT(1)=LESSON
      I

```

```

-----
      I IDENT(2) =-4                      I
      I IDENT(3) =0                      I
      I IDENT(4) =0                      I
      I NUMB =N*STUD+5                  I
      I IREC =((LESSON-1)*NUMB)+1      I
-----

```

```

      I
      *** WRITE(ISCORE*IREC) IDENT , SAMPLE
      I

```

```

-----
      I IDENT(2) =-3                      I
      I IREC =IREC+1                    I
-----

```

```

      I
      *** WRITE(ISCORE*IREC) IDENT , MAX
      I

```

```

-----
      I IDENT(2) =-2                      I
      I IREC =IREC+1                    I
-----

```

```

      I
      *** WRITE(ISCORE*IREC) IDENT , MIN
      I

```

```

-----
      I IDENT(2) =-1                      I
      I IREC =IREC+1                    I
-----

```

```

      I
      *** WRITE(ISCORE*IREC) IDENT , MAX
      I

```

```

-----
      I IDENT(2) =0                      I
      I IREC =IREC+1                    I
-----

```

```

      I
      **  WRITE(ISCORE*IREC) IDENT , SDEV
      DO 12000 STDENT = 1,ROSTP
      I

```

```

-----
      I IDENT(2) =STDENT                  I
      I IREC =IREC+1                    I
-----

```

```

      I
      *** WRITE(ISCORE*IREC) IDENT , (ANSWER(I,STDENT),I=1,10) ,
      (SECOND(J,STDENT),J = 1,10)
      I

```

(CONTINUED ON PAGE 154)

1

\*\*\* TU \*

END

FRACTION 10000(1)

一

1000

• • • •

11-

(F. 1. 1. 0. 1)

1. 2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16. 17. 18. 19. 20. 21. 22. 23. 24. 25. 26. 27. 28. 29. 30. 31. 32. 33. 34. 35. 36. 37. 38. 39. 40. 41. 42. 43. 44. 45. 46. 47. 48. 49. 50. 51. 52. 53. 54. 55. 56. 57. 58. 59. 60. 61. 62. 63. 64. 65. 66. 67. 68. 69. 70. 71. 72. 73. 74. 75. 76. 77. 78. 79. 80. 81. 82. 83. 84. 85. 86. 87. 88. 89. 90. 91. 92. 93. 94. 95. 96. 97. 98. 99. 100. 101. 102. 103. 104. 105. 106. 107. 108. 109. 110. 111. 112. 113. 114. 115. 116. 117. 118. 119. 120. 121. 122. 123. 124. 125. 126. 127. 128. 129. 130. 131. 132. 133. 134. 135. 136. 137. 138. 139. 140. 141. 142. 143. 144. 145. 146. 147. 148. 149. 150. 151. 152. 153. 154. 155. 156. 157. 158. 159. 160. 161. 162. 163. 164. 165. 166. 167. 168. 169. 170. 171. 172. 173. 174. 175. 176. 177. 178. 179. 180. 181. 182. 183. 184. 185. 186. 187. 188. 189. 190. 191. 192. 193. 194. 195. 196. 197. 198. 199. 200. 201. 202. 203. 204. 205. 206. 207. 208. 209. 210. 211. 212. 213. 214. 215. 216. 217. 218. 219. 220. 221. 222. 223. 224. 225. 226. 227. 228. 229. 230. 231. 232. 233. 234. 235. 236. 237. 238. 239. 240. 241. 242. 243. 244. 245. 246. 247. 248. 249. 250. 251. 252. 253. 254. 255. 256. 257. 258. 259. 260. 261. 262. 263. 264. 265. 266. 267. 268. 269. 270. 271. 272. 273. 274. 275. 276. 277. 278. 279. 280. 281. 282. 283. 284. 285. 286. 287. 288. 289. 290. 291. 292. 293. 294. 295. 296. 297. 298. 299. 300. 301. 302. 303. 304. 305. 306. 307. 308. 309. 310. 311. 312. 313. 314. 315. 316. 317. 318. 319. 320. 321. 322. 323. 324. 325. 326. 327. 328. 329. 330. 331. 332. 333. 334. 335. 336. 337. 338. 339. 340. 341. 342. 343. 344. 345. 346. 347. 348. 349. 350. 351. 352. 353. 354. 355. 356. 357. 358. 359. 360. 361. 362. 363. 364. 365. 366. 367. 368. 369. 370. 371. 372. 373. 374. 375. 376. 377. 378. 379. 380. 381. 382. 383. 384. 385. 386. 387. 388. 389. 390. 391. 392. 393. 394. 395. 396. 397. 398. 399. 400. 401. 402. 403. 404. 405. 406. 407. 408. 409. 410. 411. 412. 413. 414. 415. 416. 417. 418. 419. 420. 421. 422. 423. 424. 425. 426. 427. 428. 429. 430. 431. 432. 433. 434. 435. 436. 437. 438. 439. 440. 441. 442. 443. 444. 445. 446. 447. 448. 449. 450. 451. 452. 453. 454. 455. 456. 457. 458. 459. 460. 461. 462. 463. 464. 465. 466. 467. 468. 469. 470. 471. 472. 473. 474. 475. 476. 477. 478. 479. 480. 481. 482. 483. 484. 485. 486. 487. 488. 489. 490. 491. 492. 493. 494. 495. 496. 497. 498. 499. 500. 501. 502. 503. 504. 505. 506. 507. 508. 509. 510. 511. 512. 513. 514. 515. 516. 517. 518. 519. 520. 521. 522. 523. 524. 525. 526. 527. 528. 529. 530. 531. 532. 533. 534. 535. 536. 537. 538. 539. 540. 541. 542. 543. 544. 545. 546. 547. 548. 549. 550. 551. 552. 553. 554. 555. 556. 557. 558. 559. 560. 561. 562. 563. 564. 565. 566. 567. 568. 569. 570. 571. 572. 573. 574. 575. 576. 577. 578. 579. 580. 581. 582. 583. 584. 585. 586. 587. 588. 589. 590. 591. 592. 593. 594. 595. 596. 597. 598. 599. 600. 601. 602. 603. 604. 605. 606. 607. 608. 609. 610. 611. 612. 613. 614. 615. 616. 617. 618. 619. 620. 621. 622. 623. 624. 625. 626. 627. 628. 629. 630. 631. 632. 633. 634. 635. 636. 637. 638. 639. 640. 641. 642. 643. 644. 645. 646. 647. 648. 649. 650. 651. 652. 653. 654. 655. 656. 657. 658. 659. 660. 661. 662. 663. 664. 665. 666. 667. 668. 669. 670. 671. 672. 673. 674. 675. 676. 677. 678. 679. 680. 681. 682. 683. 684. 685. 686. 687. 688. 689. 690. 691. 692. 693. 694. 695. 696. 697. 698. 699. 700. 701. 702. 703. 704. 705. 706. 707. 708. 709. 710. 711. 712. 713. 714. 715. 716. 717. 718. 719. 720. 721. 722. 723. 724. 725. 726. 727. 728. 729. 730. 731. 732. 733. 734. 735. 736. 737. 738. 739. 740. 741. 742. 743. 744. 745. 746. 747. 748. 749. 750. 751. 752. 753. 754. 755. 756. 757. 758. 759. 760. 761. 762. 763. 764. 765. 766. 767. 768. 769. 770. 771. 772. 773. 774. 775. 776. 777. 778. 779. 780. 781. 782. 783. 784. 785. 786. 787. 788. 789. 790. 791. 792. 793. 794. 795. 796. 797. 798. 799. 800. 801. 802. 803. 804. 805. 806. 807. 808. 809. 810. 811. 812. 813. 814. 815. 816. 817. 818. 819. 820. 821. 822. 823. 824. 825. 826. 827. 828. 829. 830. 831. 832. 833. 834. 835. 836. 837. 838. 839. 840. 84

1 4 2 3

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25

$$-1 \leq \frac{1}{2} \leq 1$$

|   |      |      |   |   |   |   |
|---|------|------|---|---|---|---|
| 1 | 0075 | 0000 | 1 | 1 | 1 | 1 |
| 2 | 0075 | 0000 | 1 | 1 | 1 | 1 |

1

$$T\_INCURF = 1 + (0.5 * (F / ABS(I)))$$

I

\*\*\* HI TUP v

1000 CONTINUE

i

1 18000000 = 0

1

\*\*\* W. TURK

FIVE

2101

```

ACCBACK FOLLOWS-  ROUTINE  ISB  REG.  14  SEC.  15  SEC.  2  SEC.  1
                   IBCOM  9200302C  00005653  05000001  00000  39
                   PAIING
CRY POINT= 00001FFB

```



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ADVANCED SYSTEMS LABORATORY  
AIMS III PROGRAM LOGIC MANUAL

A370-670  
Volume 1 - Section III

---

SECTION III

OPERATIONAL INPUT

CONTROL PROGRAM

1

\*\*\* DO NOT LOG IN \*\*\*

INTEGER\*2 LPTCH, RPE 'M, N', (50), PIRS (50), PLSJIC (50)

DEFINITE FILE 5(100,23,U,15),  
6( 500,23,U,16),  
7( 200,100,U,17),  
8(4000,35,U,18),  
9( 250,33,U,19),  
10(8040,52,U,110),  
11( 400,23,U,111),  
12( 100,25,U,112)

```
INTF FR*2 IVECT(4,10,40)
```

COMMON/COMMON/INVEST

CLP%00A /SYSTEM/ MLESS,MODECK,PRFX,MODEFT,NSTUI

COMMON /FILES/ IFILFS(15)

```

EQUVALENCE (IFILES(1),ICD),(IFILES(3),IF1), (IFILES(6),%JL%),
(IFILES(12),SYSTEM)

```

DATA IT/'(CA'/',IG/'ROS '/,IHE/'HEAD'/,ISTU/'STUD'/,ITP/'IDC'/'

LOGICAL\*1 FIRST

1

+

+ 00 +

+++++ 5 +

$$+ \quad + \quad 10E_V = 1,15 \quad +$$





+

†

```
5 ++++++I IF LLES(IDEV) =IDEV
```

1 MLCS=40

1 45:00=230

I N R E X = 4

I NQUEST =48

```
1 NDECK=10
```

(CONTINUED ON PAGE 2)



```

      I
      I
      . * * .
      . * IF * .
      * (ICNTPL(I).L.O) *
      I * . * I
      I * . * I
      I * . * I
      - I O I + I
-----
I GOTOI I I I

```



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STATE DEPT. FORM 107-1 (Rev. 1-1-60) (Use only for reporting on activities of foreign agents and persons who are not U.S. citizens or residents.)

```

      1
      +-----+
      + 00          +
+++++++ 3002          +
+ ICLF=1,40          +
+-----+
+
+
+-----+
+ 00          +
+++++++ 3003          +
+ ICLS=1,10          +
+-----+
+
+
+-----+
+ 00          +
+++++++ 3004          +
+ ICLT=1,4          +
+-----+
+
+
005 ++++++ IVECT(ICLT, ICLS, ICLF)=-1
      1
      +-----+
      + 00          +
+++++++ 3001          +
+ ILESS=1, LPH=48+
+-----+
+
+
+-----+
+ I ISTART =PTPS(ILESS)
+ I IEND =ISTART+NOG(ILESS)-1
+ I IDIFF=ISTART-1
+-----+
+
+
+-----+
+ 00          +
+++++++ 3002          +
+ ISPOT=ISTART, IEND
+-----+
+
+
+
***READ (HEADER, ISPOT) HEDREC
+
+ IVECT(1, ISPOT-IDIFF, ILESS)=HEDREC(3)
+
+ IVECT(2, ISPOT-IDIFF, ILESS)=HEDREC(4)
+
+ IVECT(3, ISPOT-IDIFF, ILESS)=HEDREC(10)
+
+ IVECT(4, ISPOT-IDIFF, ILESS)=HEDREC(6)
+
002 ++++++CONTINUE
      1

```

U.S. DEPARTMENT OF COMMERCE      BUREAU OF ECONOMIC ANALYSIS      OFFICE OF THE SECRETARY

+

+

-291 +++++C-571105

1

721

1 FIRST-TIME.

5

1

FOR 'IT' (1,1,1/10,304,27,12,10,11,(8,(2,(8,24,7),4541,)))

```
*S* 5115 11PT,4001) 11501,IC-TRL(1),IC-TRL(2),IC-TRL(3),IC-TRL(4)
```

CALL 860-611-0741, IV. CT, FIRST

CALL FYIT

• 7 •

1 2 3 4 5

|                      |       |     |            |            |            |          |
|----------------------|-------|-----|------------|------------|------------|----------|
| TRACEBACK FOLLOW-UP- | ACCTG | ISS | NOV. 14    | NOV. 15    | NOV. 16    | NOV. 17  |
| ECOV                 |       |     | 2, 10, 12C | 1000, 1100 | 0100, 1111 | 1201, 11 |
| CRIMPS               |       |     |            |            |            |          |

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ADVANCED SYSTEMS LABORATORY  
AIMS III PROGRAM LOGIC MANUAL

A570-670  
Volume 1 - Section IV

---

SECTION IV

OPERATIONAL INPUT

SUBPROGRAMS



\*\*\* PROGRAM LOGIC MANUAL \*\*\* A.I.L.S. VOL. 111

I

\*\*\* PROGRAM LOGIC MANUAL \*\*\* A.I.L.S. VOL. 111 \*\*\*

SUBROUTINE CAR (ICNT,IVCT,FIRST)

LOGICAL\*1 FIRST

LOGICAL\*1 CHARLY

DEFUSION ICNTRL(15)

LOGICAL\*1 ACTION

INTEGER\*1 RIGHT,LEFT

INTEGER\*2 IVCT(4,10,40)

TIGER\*2 AREA(40),RECO(45)

INTEGER\*2 PCOLS(12),XUPCOL(23)

INTEGER\*2 SHIFTS

INTEGER\*2 ID1,ID2,ID3,ID4,ID5

DATA PCOLS/4,10,15,22,28,34,40,45,52,58,64,70/

DATA XUPCOL/2,6,8,12,14,18,20,24,26,30,32,36,38,42,44,46,50,54,56,  
60,62,66,68/

COMMON /FILES/ ICN,IPC,IPT,IWI,ISCH,HEADER,ICCT,ILIST,IRK,ISCON,  
ITEXT,SYSTEM

I

I IPT =3

I ITAPE=ICNTRL(8)

I ITAPE=14

I LEFT =1

I RIGHT=2

I ICNTR=ICNTRL(4)

I

I

(CONTINUED) ON PAGE 2)

\*\*\* PROGRAM LILIC MANUAL \*\*\*\* A.I.C.2. VERSION III \*\*\*\*

```

      I
      I
      I
      * * *
      * IF *
      * (FIRST) *
      I * *
      I * *
      I * *
      I * *
      - I 0 I + I
      -----
      I ASSI11111111 I I I
      -----
  
```

```

      I
      I
      I
      * * *
      * IF *
      * (NOT FIRST) *
      I * *
      I * *
      I * *
      I * *
      - I 0 I + I
      -----
      I ASSI112000111111 I I I
      -----
  
```

```

      I
      -----
      I ILOGI
      -----
  
```

```

1  ***REWIND ITAPE
      I
      -----
      I NRFX =0 I
      -----
      I
      CALL CRDIN(AREA)
      I
      -----
      I CHARLY =.FALSE. I
      I ACTION =.FALSE. I
      -----
  
```

(CONTINUED ON PAGE 3)

```

      I
      I
      . * *
    . * IF * .
  *((AREA(1),EQ.2066).AND.(AREA(2),EQ.2066))
  I * . * I
  I * . * I
  I * * I
-- I 0 I + I
-----
I GTGT1000 I I I I

```

DATA PROGRAM LOGIC MANUAL \*\*\*\* 4.1.3.1. VERSION III \*\*\*\*

```

      I
      I
      -----
      I 10001
      -----
  
```

```

      I
      +-----+
      + DO      +
      +-----+
      + 1002    +
      + N=1,40  +
      +-----+
      + I
      + I
      +-----+
      + I AREA(A) = LETTER(AREA(I)) I
      +-----+
      + I
  
```

20 + CONTINUE

10 + FORMAT (1H1,/1P1,'\*\*\*\*\* JOB STACK ERROR \*\*\*\*\*',/1

+ \*\*\*WRITE (IPT,1001)

+ \*\*\*WRITE (IPT,1003) AREA

30 + FORMAT (1P,'THIS CARD READ IN FINAL- ',B0A1,/1H ,  
 + ' REPAIR JOBSTACK AND CANCEL THIS JOB \*\*\*\*\*',/11111  
 + ///)

```

      I
      I
      . * .
      . * IF * .
      * (CHARLY) *
      I * . * I
      I * . * I
      I * . * I
      - I 0 I + I
      -----
      I GOT010000 I I I I
      -----
  
```

PAUSE

```

      I
      -----
      I 10001
      -----
  
```

```

      I
      -----
      I ACTION = .TRUE. I
      -----
  
```

[ 9990 ]

CONTINUE

( ACTION )

I GGTCL0000 I I I I

```

I NREX =NREX+1
I RECD(45) =NPEY
I RECD(44) =0
I RECD(43) =0

```

$$\begin{array}{r}
 + \quad 00 \quad \quad \quad + \\
 + \quad \quad 3 \quad \quad \quad + \\
 + \quad TLOCUL=1,80,2 \quad + \\
 + \text{-----} +
 \end{array}$$

```
* (ARFA(1LCOL).NE.0) RECD(44)=RECD(44)
```

I + L I I I I I

(CONTINUED ON PAGE 6)

PL/PROGRAM LOGIC MANUAL 7847 A.I.C.S. VERSION III

```

+
+      I
+
+
+*****CONTINUE
+
+      I
+
+      +-----+
+      + DD          +
+*****+            +
+      + NLCL=1,23    +
+      +-----+
+
+      I
+      I
+
+-----+
+I NDEX =NLMCOL(NLCL)                                I
+I AREA(I,NDEX) =NUMBER(AREA(N,NDEX))                I
+-----+
+
+      I
+      I
+      I
+      . *   * .
+      . *   IF   * .
+      *(AREA(NDEX)*10.-1)PLCD(4)=RECF(43)
+
+      I * .           . * I
+      I     * .       . * I
+      I         : . *       I
+      - I         Q I       + I
+-----+-----+-----+
+ { +1 } { 1 } { 1 }
+-----+-----+-----+
+
+
+*****CONTINUE
+
+      I
+
+      +-----+
+      + DD          +
+*****+            +
+      + IQCQL=1,12    +
+      +-----+
+
+      I
+      I
+
+-----+
+I NDEX =QCQLS(IQCQL)                                I
+-----+
+
+      I
+
+*****RECD(17+IQCQL)=ARFA(NDEX)
+
+      I
+
+-----+
+I RECD(1) =(ARFA(60)*10)+ARFA(62)                    I
+I RECD(3) =(ARFA(56)*10)+ARFA(68)                    I
+I RECD(4) =(ARFA(54)*10)+ARFA(56)                    I
+I RECD(5) =(ARFA(42)*10)+ARFA(44)                    I
+I RECD(6) =(ARFA(48)*10)+ARFA(50)                    I
+I ID1  =LETTER(AREA(72))                              I
+I ID2  =LETTER(AREA(74))                              I
+I ID3  =LETTER(AREA(76))                              I
+I ID4  =LETTER(AREA(78))                              I

```

(CONTINUED ON PAGE 7)

(CONTINUED ON PAGE 3)

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(CONTINUED ON PAGE 11)

```

+
+      I
+      +-----+
+      + 00      +
+      +++++++
+      2
+      + IODECK=1,10 +
+      +-----+
+
+      I
+      I
+      I
+      . * * .
+      . * IF      * .
+      *(I=ECT(1, IODECK, ILFS).NE.RECD(2))
+      I * .      . * I
+      I      * .      I
+      I      * . *      I
+      - I      0 I      + I
+      -----
+      I GOTO I      I      I      I
+      -----

```

```
+
+      CALL FRP(RECD,ISEQ,JTYPE,ICNTN(1))
+
+      ***WRITE (IPT,3)
```

```

+                                     1
+      +-----+
+      | 00      |
+      +-----+
+      | 4        |
+      | IN=1,65  |
+      +-----+

```

```
+      I
+      I
+-----+
++++++[ OUTPUT(IN) =0
+      I (SEQ =0
+-----+
+      I
+      I
+-----+
+      I 9999I
```

+ I  
+ I  
(NO TITLE ON PAGE 13)

**SECRET**

|     |     |     |
|-----|-----|-----|
| 100 | 101 | 102 |
| 103 | 104 | 105 |

I 2000I

```
CALL EPR(RECD,ISEQ,JTYPE,ICNTBL(1))
```



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Full Text Provided by ERIC

```

+
+      I
+      I
+      I
+      * * *
+      * IF *
+      *((RECD(10).NE.S).AND.(RECD(10).NE.0))&ITE(1PT,1001)
+      I * . * * I
+      I * . * * I
+      I * . * * I
+      - I      0 I      + I

```

```

+-----+-----+-----+
+ I      I      I      I
+-----+-----+-----+

```

```

+
+      I
+      I
+      * * *
+      * IF *
+      *((RECD(10).NE.S).AND.(RECD(10).NE.0))
+      I * . * * I
+      I * . * * I
+      I * . * * I
+      - I      0 I      + I

```

```

+-----+-----+-----+
+ I GOTD17777 I      I      I
+-----+-----+-----+

```

001

```

+      FORMAT (1H,' NO SINGLE OR DOUBLE INFORMATION IN HEADED CARD',/1
+      0,' ABOVE CARD REJECTED.',/)
+      I

```

```

+-----+-----+
+ I ITY =RECD(10)      I
+ I INUM =0            I
+-----+-----+

```

```

+
+      I
+      I
+      I
+      * * *
+      * IF *
+      *((RECD(10).EQ.S).AND.(RECD(13).LE.48))
+      I * . * * I
+      I * . * * I
+      I * . * * I
+      - I      0 I      + I

```

```

+-----+-----+-----+
+ I INUM12      I      I      I
+-----+-----+-----+

```

(CONTINUED ON PAGE 15)



\*\*\* PROGRAM LOGIC MANUAL \*\*\* A.L.M.S. VERSION III \*\*\*

```

+
+       I
+       I
+       I
+       . * .
+       . * IF .
+       * ((RECD(10).NE.0).AND.(RECD(10).LE.12))
+       I * . * I
+       I * . * I
+       I * . * I
+       - I      O I      + I
+ -----
+ I  YES  I      I      I      I
+ -----

```

```

+
+       I
+       I
+       . * .
+       . * IF .
+       * (INUM.GT.1)RECD(6) *
+       I * . * I
+       I * . * I
+       I * . * I
+       - I      O I      + I
+ -----
+ I = INUM I      I      I      I
+ -----

```

```

+
+       I
+       I
+       . * .
+       . * IF .
+       * (INUM.NE.0) *
+       I * . * I
+       I * . * I
+       I * . * I
+       - I      O I      + I
+ -----
+ I GOTO 1000 I      I      I      I
+ -----

```

CALL FPR(RECD,(SEQ,JTYPE,ICNTRL(1))

\*\*\*WRITE (IPT,1004)

FORMAT (1H,'INVALID OR MISSING DATA FOR THE NUMBER OF RECORDS',/1  
HO,'ABOVE RECORD REJECTED',//)

I 7777I

(CONTINUED ON PAGE 17)



\*\*\* PROGRAM LITIC ACTUAL \*\*\*

000 CONTINUE

I FROM =0

+ DO

2001

+ IN=1,17

001 \*\*\*\*\*[ OUTPUT(IN) =RCCO(IN)

I ISTART =18

IF  
(ITY.EQ.S)

I INCR1=24

IF  
(ITY.EQ.L)

I INCR1=12

+ DO

2002

+ IN=18,65

002 \*\*\*\*\*[ OUTPUT(IN) =0

(CONTINUED ON PAGE 18)



\* (ITY, D. 7) C-LL-078L (110218) (N 7)

```
8( '94.EQ.-1)CALLERR(PECD,PEFO,ITYPE,ICATEL(1))
```

\* (NUM. = 1) ER [TF (IPT, 2005)]

FORMAT (1H,'ERRORS IN QUESTION COLUMNS.',/1H,' ABOVE CARD REJECT  
ED',//)

(CONTINUED ON PAGE 20)

\*\*\*\* 01 0 000 0000 0000 0000 0000 0000 0000 0000

```

+
+      I
+      I
+      I
+      * * *
+      * IF *
+      * (NUM.EQ.-1) *
+      I * *
+      I * *
+      I * *
+      - I      0 I      + I
+-----+-----+-----+
+ I 000017777 I      I      I      I
+-----+-----+-----+

```

```

+
+      I
+      +-----+
+      + 00
+      +-----+
+      + 2004
+      + IN=ISTART, IEND
+      +-----+

```

```

+
+      I
+      I
+-----+-----+-----+
+ I 100 =IN-((ICNT-1)*INC)+
+-----+-----+-----+
+
+      I
+-----+-----+-----+
+ 004 ++++++ I OUTPUT(IN) =PECO(ION)
+      I TNUM =TNUM+NUM
+      I ISEQ =ISEQ+1
+-----+-----+-----+

```

```

+
+      I
+      I
+      I
+ 006 +      * * *
+      * IF *
+      * (ICNT.LT-INUM) *
+      I * *
+      I * *
+      I * *
+      - I      0 I      + I
+-----+-----+-----+
+ I RETURN      I      I      I      I
+-----+-----+-----+

```

```

+
+      I
+-----+-----+-----+
+ I OUTPUT(12) =TNUM
+-----+-----+-----+

```

(CONTINUED ON PAGE 21)

PROGRAM LINGUAL #25 1.1.55 VERSION III 1957

```

+
+      I
+      I
+      I
+      . * * .
+      . * IF * .
+      *(ITY.FG.S)OUTPUT(10)
+      I * .      . * I
+      I      * .      * I
+      I      * . *      I
+      - I      0 I      + I
+      -----
+      I = 0 I      I      I      I      I
+      -----

```

```

+
+      I
+      I
+      . * * .
+      . * IF * .
+      *(ITY.FG.D)OUTPUT(12)
+      I * .      . * I
+      I      * .      * I
+      I      * . *      I
+      - I      0 I      + I
+      -----
+      I = 1 I      I      I      I      I
+      -----

```

```

+
+      I
+      I
+      . * * .
+      . * IF * .
+      *(ICNTPL(2).AC.2) *
+      I * .      . * I
+      I      * .      * I
+      I      * . *      I
+      - I      0 I      + I
+      -----
+      I GOTO 1777 I      I      I      I
+      -----

```

702

CONTINUE

\*\*\*WRITE (OUTAP) (OUTPUT(INK),INK=1,65)

\*\*\*WRITE (3,6003) (OUTPUT(LOUM),LOUM=1,65)

703

FORMAT(4(2016,/))

I

(CONTINUED ON PAGE 22)

NAME: P. HENRY L. GIC MANUAL \*\*\* 4.1.7.1.1. VERSION III \*\*\*

1  
1  
-----  
1 77771  
-----

CONTINUE

1  
-----  
1 CH=3C(5) =ISAVE  
-----  
1

CONTINUE

\*\*\*RETURN

END

SUBROUTINE ERPR(PECD,CHKRC,ARCA,SEC,JTYPE,DELET)

INTEGER SEC

INTEGER\*2 ICRES

INTEGER\*2 JTYPE

INTEGER\*2 PECD(45),CHKRC(45),ARCA(55) ,INCR=121

INTEGER\*2 DE,LE,T

INTEGER\*2 SP

LOGICAL\*1 CNTRL(45),CNTRL(45)

LOGICAL\*1 DELET

LOGICAL\*1 INTC,ILCCL,ACTION,P

LOGICAL\*1 FALSE,TRUE

LOGICAL\*1 NUMS

EQUIVALENCE(CNTRL(1),CNTRL(1))

COMMON /SYSTEM/MLCSS,NDFCK,NREX,NQUEST,POSTUD

DATA SP/' '

DATA DE/'DE'//,LE/'LE'//,T/'T'//

1  
-----  
1 IERR =0  
1 MIDDLE =0  
-----  
1

PROGRAM LOGIC MANUAL \*\*\* A.T.M.S. VERSION III \*\*\*

```

+
+
+       I
+       ICPES=CHKRC(5)
+       I
+
+-----+
+       I IPT =3
+       I NONG =.FALSE.
+       I FALSE=.FALSE.
+       I TRUE =.TRUE.
+       I P =.FALSE.
+       I ILCOL=.FALSE.
+       I IMTC =.FALSE.
+       I DELET=.FALSE.
+-----+
+
+       I
+       I
+
+-----+
+       + 00
+
+-----+
+       I
+       + N=1,45
+
+-----+
+       I
+       I
+
+-----+
+ I ++++++I CONTRL(N) =.FALSE.
+
+-----+
+       I
+       I
+       I
+
+       . * * .
+       . * IF * .
+       * (RECD(42).NE.0) *
+       I * . * I
+       I * . * I
+       I * * I
+       - I C I + I
+
+-----+
+ I =.TRUE. I I I
+-----+
+
+       I
+       I
+
+       . * * .
+       . * IF * .
+       * (RECD(1).LE.0)CONTRL(1)
+       I * . * I
+       I * . * I
+       I * * I
+       - I C I + I
+
+-----+
+ I =.TRUE. I I I
+-----+
+
+       I
+
+ (CONTINUED ON PAGE 24)

```

PROGRAM LOGIC MANUAL \*\*\* A.I.M.S. VERSION III \*\*\*

```

+
+      I
+      I
+      I
+      . * * .
+      . * IF * .
+      *(RECD(1).GT.NLESS)CONTRL(1)
+      I * .      . * 1
+      I      * .      * 1
+      I      * . *      I
+      - I      O I      + I
+      -----
+      I = .TRUE.      I      I      I      I
+      -----
+
+      I
+      I
+      . * * .
+      . * IF * .
+      *(JTYPE.EQ.1)
+      I * .      . * 1
+      I      * .      * 1
+      I      * . *      I
+      - I      O I      + I
+      -----
+      I GOTRI      I      I      I      I
+      -----
+
+      I
+      I
+      . * * .
+      . * IF * .
+      *(RECD(2).GT.NSTUD)CONTRL(2)
+      I * .      . * 1
+      I      * .      * 1
+      I      * . *      I
+      - I      O I      + I
+      -----
+      I = .TRUE.      I      I      I      I
+      -----
+
+      I
+      I
+      . * * .
+      . * IF * .
+      *(RECD(2).LE.0)CONTRL(2)
+      I * .      . * 1
+      I      * .      * 1
+      I      * . *      I
+      - I      O I      + I
+      -----
+      I = .TRUE.      I      I      I      I
+      -----
+
+      I
+      (CONTINUED ON PAGE 25)

```



\*\*\* PROGRAM LOGIC MANUAL \*\*\* A.T.C.3. VERSION III \*\*\*

```

+
+      I
+      I
+      I
2 +      * * *
+      * IF *
+      *(RECD(3).LE.CHKRC(2))CONTRL(3)
+      I * * * I
+      I * * * I
+      I * * * I
+      - I      0 I      + I
+      -----
+      I = .TRIF.  I      I      I      I
+      -----

```

```

+
+      I
+      I
+      * * *
+      * IF *
+      *(RECD(4).LE.0)CONTRL(4)
+      I * * * I
+      I * * * I
+      I * * * I
+      - I      0 I      + I
+      -----
+      I = .TRIF.  I      I      I      I
+      -----

```

```

+
+      I
+      I
+      * * *
+      * IF *
+      *(RECD(3).GT.CHKRC(2))CONTRL(3)
+      I * * * I
+      I * * * I
+      I * * * I
+      - I      0 I      + I
+      -----
+      I = .TRIF.  I      I      I      I
+      -----

```

```

+
+      I
+      I
+      * * *
+      * IF *
+      *(RECD(5).NE.CHKRC(5))CONTRL(5)
+      I * * * I
+      I * * * I
+      I * * * I
+      - I      0 I      + I
+      -----
+      I = .TRIF.  I      I      I      I
+      -----

```

(CONTINUED ON PAGE 26)

\*\*\* PROGRAM LOGIC MANUAL \*\*\* A.I. 3.3. VERSION III

```

+
+      I
+      I
+      I
+      * * *
+      * IF *
+      * (RECD(8).NE.(SEQ+1))CMTPL(8)
+      1 * * * * 1
+      1 * * * * 1
+      1 * * * * 1
+      - 1 * * * * + 1
+      -----
+      1 = TRUE.  I I I
+      -----
+
+      I
+      I
+      * * *
+      * IF *
+      * ((RECD(7).EQ.OE).AND.(RECD(8).EQ.LE).AND.(RECD(9).EQ.T))
+      1 * * * * 1
+      1 * * * * 1
+      1 * * * * 1
+      - 1 * * * * + 1
+      -----
+      I DELET=  I I I
+      -----
+
+      .TRUE.
+      I
+      I
+      * * *
+      * IF *
+      * (DELET) *
+      1 * * * * 1
+      1 * * * * 1
+      1 * * * * 1
+      - 1 * * * * + 1
+      -----
+      I GOTGI  I I I
+      -----

```

(CONTINUED ON PAGE 27)

\*\*\*\*\* PROLOGIC MANUAL \*\*\*\*\* A.L.S. VERSION III \*\*\*\*\*

```

+
+
+      I
+      I
+      I
+      *   *   *
+      .   *   IF   *   .
+      *   (JTYPE.NF.2)   *
+      I   *   .           *   I
+      I       *   .       *   I
+      I           *   *           I
+  - I             C I               + I
+ -----
+ I GOTG I         I         I         I
+ -----

```

|   |  |
|---|--|
| ト |  |
| + |  |
| + |  |
| + |  |
| + |  |
| + |  |

```

+      +      I
+      +      I
3 +      +      *      *
+      +      .      *      IF      *      .
+      +      *      ((RECD(7)+RECD(8)+RECD(9)).EQ.0)CNTRL(9)
+      +      I      *      .      .      *      I
+      +      I      *      .      .      *      I
+      +      I      *      .      *      )
+      +      -      I      O      I      +      I
+      +      -----
+      +      I      =      .      TRIC      .      I      I      I      I
+      +      -----

```

```

+      +
+      I
+      I
+      . * * .
+      . * IF * .
+      *((JTYPE.EQ.1).AND.(RECD(LO).EQ.S9))CONTRL(LO)
+      I * . * I
+      I * . * I
+      I * . * I
+      - I O I + I
+      -----
+      I =.TRIF. I I I I

```

(CONTINUED ON PAGE 28)

\*\*\* PROGRAM LOGIC MANUAL \*\*\* 4.1.2.0. VERSION III \*\*\* 27 143

```

+
+       I
+       I
+       I
+       . * * .
+       . * IF * .
+       * ((JTYPE.EQ.1).AND.((RECD(11).LT.0).OR.(RECD(11).GT.(24*58
+       I * . * I
+       I * . * I
+       I * . * I
+       - I      0 I      + I
+       -----
+       I      I      I      I      I      I
+       -----

```

```

+
+       )CONTROL(11)=.TRUE.
+       I
+       I
+       . * * .
+       . * IF * .
+       * ((JTYPE.EQ.1).AND.((RECD(13).LT.0).OR.(RECD(13).GT.(24*58
+       I * . * I
+       I * . * I
+       I * . * I
+       - I      0 I      + I
+       -----
+       I      I      I      I      I      I
+       -----

```

```

+
+       )CONTROL(13)=.TRUE.
+       I
+       I
+ 4 +       . * * .
+       . * IF * .
+       * (RECD(44).NE.0) *
+       I * . * I
+       I * . * I
+       I * . * I
+       - I      0 I      + I
+       -----
+       I ILCOI=.TRUE.      I      I      I
+       -----

```

(CONTINUED ON PAGE 29)

\*\*\*\*\* BASIC LOGIC MANUAL \*\*\*\*\* S.I.U.S. VERSION 1.1 \*\*\*\*\*

```

+
+      I
+      I
+      J
+      * * *
+      * IF *
+      * (SEQ.EQ.0) *
+      I * * *
+      I * * *
+      I * * *
+      - I      0 I      + I
+-----+-----+-----+
+ I GOTO 100    I      I      I      I
+-----+-----+-----+

```

```

+
+      I
+      I
+      * * *
+      * IF *
+      * (JTYPE.EC.1) *
+      I * * *
+      I * * *
+      I * * *
+      - I      0 I      + I
+-----+-----+-----+
+ I INDEI=10    I      I      I      I
+-----+-----+-----+

```

```

+
+      I
+      I
+      * * *
+      * IF *
+      * (JTYPE.EQ.2) *
+      I * * *
+      I * * *
+      I * * *
+      - I      0 I      + I
+-----+-----+-----+
+ I INDEI=9     I      I      I      I
+-----+-----+-----+

```

```

+
+      I
+      +-----+
+      + DD      +
+      ++++++ 5 +
+      + I=1,5  +
+      +-----+

```

```

+
+      I
+      I
+ (CONTINUED ON PAGE 30)

```

\*\*\* PROGRAM LOGIC MANUAL \*\*\* A.I.S.S. V-3510-111 \*\*\*

```

+
+      I
+      I
+      I
+      . * * .
+      . * IF * .
+      *(RQCD(I).NE.AREA(I))
+      I * . * . * I
+      I * . * . * I
+      I * . * . * I
+      - I      O I      + I
+-----+-----+
+ I IERR+I      I      I      I
+-----+-----+

```

5 \*\*\*\*\*CONTINUE

```

+      I
+      +-----+
+      + DO      +
+      +-----+
+      + 6      +
+      + 1=7, INDEX +
+      +-----+
+      I
+      I
+      I
+      . * * .
+      . * IF * .
+      *(RQCD(I).NE.AREA(I))
+      I * . * . * I
+      I * . * . * I
+      I * . * . * I
+      - I      O I      + I
+-----+-----+
+ I IERR+I      I      I      I
+-----+-----+

```

6 \*\*\*\*\*CONTINUE

```

+      I
+      I
+      . * * .
+      . * IF * .
+      *(IERR.EQ.0)
+      I * . * . * I
+      I * . * . * I
+      I * . * . * I
+      - I      O I      + I
+-----+-----+
+ I IMTCI.FALSI.      I      I      I
+-----+-----+

```

(CONTINUED ON PAGE 31)

[illegible]

111

2025 RELEASE UNDER E.O. 14176

|            |        |   |   |
|------------|--------|---|---|
|            |        | I |   |
|            |        | I |   |
|            |        | I |   |
| .          | .      | * | . |
| *.         | (INTL) | * | . |
| . *        |        | * | . |
| .          |        | . | * |
| .          |        | . | * |
| .          |        | * | * |
| - I        | O I    | . | I |
| <hr/>      |        |   |   |
| I G T. 102 | I      | I | I |
| <hr/>      |        |   |   |

```

+      +      +      +      +      +      +      +      +      +
+      I      I      .   *   *   .   .   .   .   .   .
+      .   *   II   *   .   .   .   .   .   .   .
+      *   (GUS)   *   .   .   .   .   .   .   .
+      I   *   .   .   .   .   .   .   .   .   I
+      I   .   *   .   .   .   .   .   .   I
+      I   .   *   .   *   .   .   .   .   I
+      - I   G I   + I
+-----+-----+-----+
+ I GUGU02 I I I I
+-----+-----+-----+

```

1  
-----  
1 70001

```
ENTRY FRK(RECD, SEQ, JTYPE, ICRES)
      I
```

1 MIDDLE =1

CALL INFO(INFORM)

```
***WRITE (IPT,103) INFORM,RECD(45),SEQ,RECD(6),JTYPE
```

```

103 +      FORMAT (IHO,/I4,'**** CARD IN ERROR **** JLB NAME ',4A1,5I,'DATE-
+      ',4A2,5X,'TIME- ',4A2,' *****PHYSICAL RECORD - ',I3,/I4,'
+      'PREVIOUS SEQUENCE NO.= ',I2,' CARD SEQUENCE NO.= ',I2,' TYPE OF
+      CARDS = ',I1,' (1=HEADER,2=STUDENT ) ' )

```

```

**WRITE (IPT,117) ICRES      ,RECD(5),RECD(1),RECD(3),RECD(4)

```

```
117 +      FORMAT (1H , 'COURSE BEING PROCESSED = ', I2, ' COURSE NUMBER ON CARD  
+          = ', I2, ' LESSON = ', I2, ' SEGMENT = ', I2, ' TYPE = ', I2)
```

(CONTINUED ON PAGE 33)





1000 P. TRANS LITH MANUAL APPS 4.1. 2.2. VERSION III 3.3. 1.1

```

+
+      I
+      I
+      I
+      . * .
+      . * IF . *
+      * (DELET)WRITE(IPT,113)
+      I * .      . * I
+      I * .      . * I
+      I * .      . * I
+      - I      0 I      + I
+      -----
+      I      I      I      I
+      -----

```

1016 + FORMAT (1H , 'THIS SECOND PAGE IS DUE TO A SYSTEM ERROR')

```

+
+      I
+      I
+      . * .
+      . * IF . *
+      * (CONTROL(1))WRITE(IPT,104)
+      I * .      . * I
+      I * .      . * I
+      I * .      . * I
+      - I      0 I      + I
+      -----
+      I      I      I      I
+      -----

```

104 + FORMAT (1H , 'LESSON NUMBER MISSING, UNINTELLIGIBLE - MISMATCH')

```

+
+      I
+      I
+      . * .
+      . * IF . *
+      * (CONTROL(2))WRITE(IPT,105)
+      I * .      . * I
+      I * .      . * I
+      I * .      . * I
+      - I      0 I      + I
+      -----
+      I      I      I      I
+      -----

```

105 + FORMAT (1H , 'COURSE STUDENT NUMBER MISSING, UNRECOGNIZABLE - SYSTEM  
+ DS SYSTEM LIMITATION NSTUD.')

(CONTINUED ON PAGE 35)

\*\*\* PROGRAM LOGIC MANUAL \*\*\* A.I.S. VERSION III \*\*\*

```

+
+           I
+           I
+           I
+       . * .
+       . * IF .
+       *(CONTROL(3))WRITE(IPT,100)
+       I * .           . * I
+       I * .           . * I
+       I * .           . * I
+       - I           0 I           + I
+       -----
+       I           I           I           I
+       -----

```

106 + FORMAT (1H , 'STUDENT NUMBER MISSING OR UNRECOGNIZABLE',  
+ R PREVIOUS CARDS IN RECORD PAD.')

```

+
+           I
+           I
+       . * .
+       . * IF .
+       *(CONTROL(4))WRITE(IPT,107)
+       I * .           . * I
+       I * .           . * I
+       I * .           . * I
+       - I           0 I           + I
+       -----
+       I           I           I           I
+       -----

```

107 + FORMAT (1H , 'CARD TYPE NUMBER MISSING OR UNRECOGNIZABLE.')

```

+
+           I
+           I
+       . * .
+       . * IF .
+       *(CONTROL(5))WRITE(IPT,108)
+       I * .           . * I
+       I * .           . * I
+       I * .           . * I
+       - I           0 I           + I
+       -----
+       I           I           I           I
+       -----

```

108 + FORMAT (1H , 'COURSE NUMBER NOT AS PER SYSTEM SPECIFICATION')

(CONTINUED ON PAGE 36)

PROGRAM L310 MANUAL (MAY 1975) VERSION III

```

+
+       I
+       I
+       I
+       . * .
+       . * IF .
+       *(CONTROL(6))WRITE(IPT,109)
+       1 * .
+       1 * .
+       1 * .
+       - 1      0 1      + 1
+       -----
+       1      1      1      1
+       -----
+
+
+

```

109 FORMAT (1H , 'SEQUENCE NUMBER MISSING ON BAD, (CONTINUED ON PAGE 37)')

```

+
+       I
+       I
+       . * .
+       . * IF .
+       *(CONTROL(6).AND.(JTYPE.EQ.2))WRITE(IPT,110)
+       1 * .
+       1 * .
+       1 * .
+       - 1      0 1      + 1
+       -----
+       1      1      1      1
+       -----
+
+
+

```

110 FORMAT (1H , 'DATA IN I.D. NUMBER AREA BAD OR MISSING-HEADER (CONTINUED ON PAGE 37)')

```

+
+       I
+       I
+       . * .
+       . * IF .
+       *(CONTROL(10).AND.(JTYPE.EQ.1))WRITE(IPT,111)
+       1 * .
+       1 * .
+       1 * .
+       - 1      0 1      + 1
+       -----
+       1      1      1      1
+       -----
+
+
+

```

111 FORMAT (1H , 'DATA IN I.D. NUMBER AREA BAD OR MISSING-HEADER (CONTINUED ON PAGE 37)')

#709 D GOVERNMENTAL SERVICE, U.S. AIR FORCE III 82546 2

```
+
+                                     I
+                                     I
+                                     I
+               . *      * .
+       .   *           IF             .
+       *(CONTROL(II))WRITE(IPT,I12)
+         I * .                               * I
+         I     * .                         I
+         I          * . *                  I
+       - I              O I                + I
+ -----                      -----
+ I            I                I        I        I    I
+ -----                      -----
```

112 +           FORMAT (1H, 'NUMBER OF SELECTIONS NOT AS PER SPECIFICATION: ', 1)

```
+
+      I
+      I
+      . * * .
+      . *   IF   * .
+      *(CNTX(13))WRITE(IPT,113)
+      I * . * I
+      I * . * I
+      I * . * I
+      - [    Q I    + I
+-----+-----+-----
+ I       I       I       I
+-----+-----+-----
```

112 + FTRCAT (16, 'NUMBER OF QUESTIONS NOT AS PRE-SPECIFICATED(S)')

```

+      I
+      I
+      * * *
+      * IF *
+      *(JLCOL)KSITE(IPT,114)PBCO(44)
+      I * * * I
+      I * * * I
+      I * * I
+      - I      O I      + I
+      -----
+      :      I      I      I      I
+      -----

```

```
114 +      FORMAT (1H , 'ILLEGAL USE OF 999-NUMBERED COLUMNS-', 14, '-TIME(3).')
```

(CONTINUED ON PAGE 38)

\*\*\* PROGRAM L-10 MANUAL \*\*\* A.L.S. VERSION III \*\*\*

```

+
+       I
+       I
+       I
+       . * .
+       . * . IF . * .
+       * (I-TC) WRITE (IPT,115)
+       I * . . * I
+       I . * . * I
+       I . * . * I
+       - I       O I       + I
+ -----
+ I IFRNT       I       I       I       I
+ -----

```

115 + FORMAT (IP,IP,' OCCASIONS IN WHICH CAPTAINS IDENTIFICATION TAGS WERE  
+ MIS-MATCHED WITH THE REMAINDER OF THIS RECORD.')

```

+       I
+       I
+       . * .
+       . * . IF . * .
+       * (NU2S) WRITE (IPT,120) RECD(43)
+       I * . . * I
+       I . * . * I
+       I . * . * I
+       - I       O I       + I
+ -----
+ I       I       I       I       I       I
+ -----

```

120 + FORMAT (IP,'MISPUNCHED NUMERIC COLUMNS FOUND - ',IP,' (I-TC,')/)

```

+       I
+ -----
+ I ACTION =.FALSE.
+ -----
+       I
+       I
+ -----
+ I 70011
+ -----

```

300 + I ACTION =TRUE

(CONTINUED ON PAGE 39)

\*\*\* PROGRAM LOGIC MANUAL \*\*\* A.I.C.S. VERSION III \*\*\*

```

+
+      I
+      I
+      I
+
+      . * *
+      . * IF *
+      *((JTYPE.EQ.2).AND.((RECD(13).LT.0).OR.(RECD(13).GT.9)))
+      I *
+      I *
+      I *
+      - I      C I      + I
+
+-----+-----+-----+
+ I P=.TIME   I      I      I      I
+-----+-----+-----+

```

```

+
+      I
+      I
+      . * *
+      . * IF *
+      *((JTYPE.EQ.2).AND.((RECD(14).LT.0).OR.(RECD(14).GT.12)))
+      I *
+      I *
+      I *
+      - I      C I      + I
+
+-----+-----+-----+
+ I P=.TIME   I      I      I      I
+-----+-----+-----+

```

```

+
+      I
+      I
+      . * *
+      . * IF *
+      *((JTYPE.EQ.2).AND.((RECD(15).LT.0).OR.(RECD(15).GT.4)))
+      I *
+      I *
+      I *
+      - I      C I      + I
+
+-----+-----+-----+
+ I P=.TIME   I      I      I      I
+-----+-----+-----+

```

(CONTINUED ON PAGE 40)

\*\*\* PROGRAM LOGIC MANUAL \*\*\* A.I.M.S. VERSION III \*\*\*

```

+
+      I
+      I
+      I
+      *
+      * IF *
+      * ((JTYPE.EQ.2).AND.((RECD(16).LT.0).OR.(RECD(16).ST.SQ)))
+      I *
+      I *
+      I *
+      - I      C I      + I
+      -----
+      I P=.TRUE  I      I      I      I
+      -----
+
+      .
+      I
+      I
+      *
+      * IF *
+      * ((JTYPE.EQ.2).AND.((RECD(17).LT.0).OR.(RECD(17).ST.SQ)))
+      I *
+      I *
+      I *
+      - I      O I      + I
+      -----
+      I P=.TRUE  I      I      I      I
+      -----
+
+      .
+      I
+      I
+      *
+      * IF *
+      * (.NOT.P)
+      I *
+      I *
+      I *
+      - I      O I      + I
+      -----
+      I GOTCI000  I      I      I      I
+      -----
+
+      I
+      (CONTINUED ON PAGE 41)

```



\*\*\* PROBLEM LOGIC MANUAL \*\*\* C.I.M.S. VERSION III \*\*\*

```

+
+           I
+           I
+           I
+       . * * .
+       . *   IF   * .
+   *(ACTION)CALLINFO(INF(REF))
+   I * .           * I
+   I   * .           I
+   I       * . *       I
+ - I           O I       + I
+ -----
+ I       I       I       I       I       I
+ -----
+
+           I
+           I
+       . * * .
+       . *   IF   * .
+   *(ACTION)WRITE(IPT,103)INFORM,RECD(45),SEQ,PRCD(6)
+   I * .           * I
+   I   * .           I
+   I       * . *       I
+ - I           C I       + I
+ -----
+ I       I       I JTYPI       I       I
+ -----
+
+           I
+           I
+       . * * .
+       . *   IF   * .
+   *(P)WRITE(IPT,7299) *
+   I * .           * I
+   I   * .           I
+   I       * . *       I
+ - I           O I       + I
+ -----
+ I       I       I       I       I       I
+ -----

```

999 + FORMAT (1H,'ERRORS IN YEAR,MONTH,DAY,HOURS OR MINUTES COLUMNS -

+ ERRORS IGNORED.')

+ I

(CONTINUED ON PAGE 42)





PROGRAM LOGIC MANUAL \* \* \* \* \* A. L. S. WASHINGTON, D. C.

```

+
+               I
+               |
+       +-----+
+       + 00          +
+ ++++++++++ 100      +
+       + IQUES=1,12   +
+       +-----+
+               I
+               I
+ -----
+ I AREA(IQUES) =SHIFT5(AREA(IQUES),LEFT,1)
+ -----
+               I
+               I
+               I
+           . * * .
+       . * IF * .
+ * (AREA(IQUES).N*.1) *
+ I * . * I
+ I * . * I
+ I * * I
+ - I    Q I    C I
+ -----
+ I NUG=IUM+1 I I I I
+ -----

```

CONTINUED

900 +      \*\*\*ECTURA

END

SUBROUTINE SINGLE(AR-A,NORM,NRSTY,ITYPE,KUP)

INTEGER RIGHT, LEFT

INTEGER\*2 NORM,NRMTY, ITYPE

## LITLGER\*? SHIFTS

INTEGER\*2 AREA(24)

INTEGER\*2 SAVE(24)

INTEGER\*2 HICDE,LWCDE

INTEGER\*2 CODE

1

I LEFT = 1

1 RIGHT=2

$$1 \text{ IPT} = 3$$
$$T_{\text{nom}} = 0$$

1

(CONTINUED ON PAGE 45)







\*\*\* PROGRAM LOGIC MANUAL \*\*\* A. I. ...

```

+
+       I
+       I
+       I
+       . * .
+       . * IF * .
+       * (SHIFTS(S-CA(IERK),RIGHT,10).00.00)
+       I * . * I
+       I * . * I
+       I * . * I
+       - I      0 I      + I
+ -----
+ I NUM=11      I      I      I      I
+ -----

```

```

+
+       I
+       I
+       . * .
+       . * IF * .
+       * (NUM.EQ.-1)
+       I * . * I
+       I * . * I
+       I * . * I
+       - I      0 I      + I
+ -----
+ I GOTCI92      I      I      I      I
+ -----

```

700

CONTINUE

```

+
+       I
+       +-----+
+       + 00
+       +-----+
+       + 998
+       +-----+
+       + IN=1,24
+       +-----+

```

```

+
+       I
+       I
+       I
+       . * .
+       . * IF * .
+       * (SAVE(IN).GT.1)
+       I * . * I
+       I * . * I
+       I * . * I
+       - I      0 I      + I
+ -----
+ I NUM=IUM+1 I      I      I      I
+ -----

```

```

+
+       I
+       +-----+
+       I AREA(IN) =SAVE(IN)
+       +-----+

```

(CONTINUED ON PAGE 49)



(CONTINUED ON PAGE 50)

AEC PROGRAM LITIC MANUAL      AEC-A.I.C.S.      VOLUME III      2222      12-1

```

+
+
+      I
+
+      I
+
+      I
+
+      . *   * .
+
+      . 3    IS   *
+
+      * (ICDPE.FI.IFSTP(2)) *
+
+      I  ^  .
+
+      I      .      *   I
+
+      I      .      *   I
+
+      I      +   *   I
+
+      - I      C   I      + I
+
+ -----
+      I GDT: I      I      I
+ -----

```

2 +++++CONTINUE

```
+      I
+-----+
+ I NUMBER =-I
+-----+
+      I
+      I
+-----+
+      I 70961
```

3 + NUMBER = N-1

---

+ \*\*\*SECRET\*\*\*

f                      END

+ FUNCTION LETTER (ICDDE)

+ INTIGES#2 ICODE, LETTER, EQUIV(40), FACD(40)

+ FTGP#2 FAST,ISP

```
DATA FBCDIC/'A','B','C','D','E','F','G','H','I','J','K','L','M',
+ 'N','O','P','Q','R','S','T','U','V','W','X','Y','Z',
+ '0','1','2','3','4','5','6','7','8','9',
+ '/','*','(',')','&'/
```

DATA EQUIV/2304,2176,2112,2080,2064,2056,2052,2050,  
2048,1280,1152,1088,1056,1040,1032,1028,  
1025,1025,640,576,544,528,520,516,  
514,513,512,256,128,64,32,16,  
8,4,2,1,768,1258,2066,2148/

DATA LAST/'\*'/,ISP/' ' /

(CONTINUED ON PAGE 51)

FOR PROGRAM LOGIC MANUAL \* \* \* \* \* PART III \* \* \* \* \*

```

+
+      I
+      I
+      I
+      . * * .
+      . * IF * .
+      * (ICODE.FQ.O) *
+      I * . * * I
+      I * . * * I
+      I * . * * I
+      - I      C I      + I

```

```

+-----+-----+
+ I LETTER=USPI I I I
+-----+-----+

```

```

+
+      I
+      I
+      . * * .
+      . * IF * .
+      * (ICODE.FQ.O) *
+      I * . * * I
+      I * . * * I
+      I * . * * I
+      - I      C I      + I

```

```

+-----+-----+
+ I GOTO199 I I I
+-----+-----+

```

```

+
+      I
+      +-----+
+      + DO      +
+      +-----+
+      + N=1,40  +
+      +-----+

```

```

+
+      I
+      I
+      I
+      . * * .
+      . * IF * .
+      * (ICODE.FQ.EQUIV(N)) *
+      I * . * * I
+      I * . * * I
+      I * . * * I
+      - I      C I      + I

```

```

+-----+-----+
+ I GOTO100 I I I
+-----+-----+

```

1 \*\*\*\*\*CONTINUE

```

+
+      I
+      +-----+
+      I LETTER =IAST I
+      +-----+

```

```

+
+      I
+      I
+      (CONTINUED ON PAGE 52)

```

\*\*\*\* PROGRAM LOGIC MANUAL \*\*\*\* A.I.C.S. MISSION III \*\*\*\* PAGE 11

```

+
+      I
+      I
+      -----
+      I 999 I
+      -----

```

```

+
+      I
+      -----
+      I LETTER =EBCDIC(N)
+      -----
+
+      I

```

999 \*\*\*RETURN

END

1, F2121

|                    |          |     |          |          |          |          |
|--------------------|----------|-----|----------|----------|----------|----------|
| TRACEBACK FOLLOWS- | ROUTINE  | ISN | REC. 14  | REC. 15  | REC. 1   | REC. 1   |
|                    | IPCOM    |     | 92003020 | 00005058 | 00000001 | 00000001 |
|                    | MAINPG   |     |          |          |          |          |
| EMPTY PRINT=       | 00001F08 |     |          |          |          |          |

ADVANCED SYSTEMS LABORATORY  
AIMS III PROGRAM LOGIC MANUAL

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---

SECTION V

OUTPUT REPORT GENERATOR  
MONITOR

\*\*\*\*\*

I

\*\*\*\*\*

OFFICE FILE 5(100, 1, 1)

OFFICE FILE 6(10, 22, 1, 1)

OFFICE FILE 7(100, 100, 1, 1)

OFFICE FILE 8(100, 15, 2, 1)

OFFICE FILE 9(10, 20, 1, 1)

OFFICE FILE 10(10, 40, 33, 1, 1)

OFFICE FILE 11(10, 23, 1, 1)

OFFICE FILE 12(10, 25, 1, 1)

INTERVIEW 12(16)

I

INTERVIEW 12(16)

I

I

\*\*\*\*\*

\*\*\*\*\*

\*\*\*\*\*

\*\*\*\*\*

\*\*\*\*\*

I

\*\*\*\*\*

I

\*\*\*\*\*

I

OFFICE FILE 13(10, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36)

I

\*\*\*\*\*

\*\*\*\*\*

CONTINUED

CALL TOYS (LOAD, REPTOGOL)

I

(CONTINUED ON PAGE 2)

COLL. 1941

$$\frac{\text{CELL} - \text{SLP}(\text{LPP}(\text{NPP}))}{\text{LPP} - \text{SLP}(\text{LPP})}$$

CALL CSPP(HP(KLP))  
1  
-----  
1 100 1

```

CONTINUE
CALL SPQYS('LOAD',IR,PT004)
CALL RS_P(123(XIRP))
CALL REP04
      I
      -----
      I 100 I

```

```
CONTINUE
CALL GPSYS('LEAD', 'REPT0004')
CALL RSEP(IRP(KIRP))
CALL RSEP5
```

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 七

$\frac{1}{2}$   
 $\frac{3}{4}$   
 $\frac{1}{4}$   
 $\frac{1}{8}$   
 $\frac{1}{16}$   
 $\frac{1}{32}$   
 $\frac{1}{64}$   
 $\frac{1}{128}$   
 $\frac{1}{256}$   
 $\frac{1}{512}$   
 $\frac{1}{1024}$   
 $\frac{1}{2048}$   
 $\frac{1}{4096}$   
 $\frac{1}{8192}$   
 $\frac{1}{16384}$   
 $\frac{1}{32768}$

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 二  
 一

4  
3  
2  
1

[illegible]

7-



11.1

CALL (1200) (1200)

11.1

11.1

CALL (1200) (1200)

CALL (1200) (1200)

CALL (1200)

11.1

11.1

CALL (1200) (1200)

CALL (1200) (1200)

CALL (1200)

11.1

11.1

CALL (1200) (1200)

(CONTINUED ON PAGE 5)

- CALL SUBROUTINE (NAME)
- CALL SUBROUTINE (NAME, ARGUMENTS)
- CALL SUBROUTINE

```
CALL PRNYS(UNIT, N, IPRINT, 1.0)
CALL PRNLP(ITEROUT)
CALL ABEND
```

```
CALL FRY3(11100, 10001, 150)
CALL FRY2(100, 10000)
CALL FRY10
```

$\Gamma_0$        $**\gamma, \beta \in \Gamma_0(3, 0)$

### RELATIONSHIP OF AEDS OUTPUT GENERATION

17 FV 421 (104, 1-17)

CALL EX 1 Y

( 11 017 19 8213 )

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ADVANCED SYSTEMS LABORATORY  
AIMS III PROGRAM LOGIC MANUAL

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SECTION VI

OUTPUT REPORT GENERATOR

SUBPROGRAMS

\*\*\* PROGRAM LOGIC MANUAL \*\*\* A.I.C.S. VERSION III \*\*\*

\*\*\* PROGRAM LOGIC MANUAL \*\*\* A.I.C.S. VERSION III \*\*\*

SUBROUTINE F=ADDS(IPT,IPCF)

INTEGER INFORM(12),DATE(4),TIME(4)

INTEGER I,IPCF(7),IRP

1 IFOT=3(10)/'\*\*\*\*',1 AIME,'S OUT',TPUT,'S OUT',IPCF(1),1,  
100000,'S OUT',11,1/

EQUIVALENCE (INFORM(5),DATE(1)),(INFORM(9),TIME(1))

CALL INFO(INFORM)

\*\*\*WRITE (3,10000) IPT,TIME,DATE,IPCF

FORMAT(1H1,1H,1' \*\*\*\* A.I.C.S. REPORT GENERAL (2\*1' 1H,1  
NUMBER '1,12,1' \*\*\*\* TIME = '1,4A2,1' DATE = '1,4A2,1' 1H,1  
NUMBER '1,14,1/1)

1 IPSC=IPCF+1

\*\*\*RETURN

ENTRY RSTP(IRP)

1 I=TPUT=3

1  
1  
+-----+  
+ 00 +  
+++++++ 10 +  
+ K=1,7 +  
+-----+  
1  
1  
10 +++++++ I DEP(K) =IRP

\*\*\*WRITE(10,PT,20)

1  
+-----+  
+ 00 +  
+++++++ 15 +  
+ K=1,60 +  
+-----+  
1  
1  
17-(10,PT,25) (DEP(J),J=1,7),(C(L),L=1,10),IRP,(1),  
(DEP(1),J=1,7),(C(L),L=1,10),IRP,(1),(C(L),J=1,7)

15 ++++++CONTI-ALL

27) F-300 4AT (1.31)

25 FOR 42 F(13,2(712,1044,12,14),712)

SECRET

543

FUNCTION SUBGROUPT, A)

INTEREST H, A, TP

INTEST#2 IPASS,SUBGRD,ITEST,N,B(11)

```
INTEGER*2 THY(4)/3,5,7,9/,SCALE%(4)/100,80,60,50/
```

INTEL D-R#2 SCLFSG(4)/100,80,40,10/

1 SUBGFG = 0

```

1  IF TEST=LPASS(H,A,N,0)

```

60 TO (10,10,30,40,10),T?

\*\*\*HRIC (ICPT, 590)

```
500      FORMAT(' *** ERROR *** INCORRECT TYPE SPEC, ')

```

\*\*\*RETURN

10 CONTINUOUS

1  
 1  
 \* \* \*  
 \* \* [H] \* \*  
 \*(TEST.EQ.1.AND.N.EQ.1)

```

      1 * .
      1      * .
      1      . * .
- 1      . 0 1      + 1
-----
1 SUPGIO=1001      1      1      1

```

```

**RETURN

```

30 CONTINUE

(CONTINUED ON PAGE 3)

?? ++++++COPIES

40

\*\*\*RETURN

(CONTINUED ON PAGE 4)

LOGICAL

$\frac{1}{2}$

```

I SYSTEM =FILES(1)
I HEADERS =FILES(2)
I QUESTS =FILES(3)
I TAPF =FILES(4)
I MIDDLE =2

```

\*\*\*RFAD (SYSTEM#4) .AUS

I

---

I FRAMES = -1

ERIC  
Full Text Provided by ERIC



\*\*\* P-39618 LOST MANUAL \*\*\* A.I.S. PRESSURE 117 \*\*\*

\*\*\*\*\*

```

1  ISTART =PTES(LESSON)
1  IEND =ISTART+ENDS(LESSON)-1

```

\*\*\*READ (HE-VOEF INDEX) RECORD

```
*((REKOPD(3).EQ.SEGMENT).AND.(REKOPD(4).EQ.TYPE1))
```

3 +++++CONTINUE

I TRACES = 1

\*\*\*RETURN

```

I  ERRORS =0

```

(CONTINUED ON PAGE 6)



\*\*\* PROGRAM LOGIC MANUAL \*\*\* A.I.A.T. VERSION III \*\*\*

```

      I
      I
      I
      *
      *
      * IF *
      * (.NOT.GNF) *
      I *
      I *
      I *
      - I      C I      + I
      -----
      I GGTG100      I      I      I      I
      -----
  
```

```

      I
      -----
      I ONE = .FALSE.
      -----
      I
  
```

\*\*\*REFIND TAPE

100

\*\*\*READ (TAPE,END=701) RECORD

```

      I
      I
      *
      *
      * IF *
      * ((RECORD(1).EQ.LESSON).AND.(RECORD(3).EQ.SUMNT).AND.(REC
      I *
      I *
      I *
      - I      C I      + I
      -----
      I      I      I      I      I      I
      -----
  
```

.EQ.TYPE)) G3 TO 300

```

      I
      I
      *
      *
      * IF *
      * ((RECORD(1).GT.LESSON).AND.(CARD.EQ.2))
      I *
      I *
      I *
      - I      C I      + I
      -----
      I GGTG101      I      I      I      I
      -----
  
```

(CONTINUED ON PAGE 8)

```

      I
      I
      . * *
      . * IF *
      * ((CARD.F).1).MOD.(RECORD(2).EQ.0))
      1 * . * 1
      1 * . * 1
      1 * * * 1
      - I 0 1 + I
      -----
      I RETURN I I I I

```

```

      I
      I
      . * *
      . * IF *
      * ((CARD.EQ.2).AND.(PECTR3(2).NE.0))
      I * . * I
      I * . * I
      I * * I
      - I C I + I
-----
I RETAIN I I I I

```

```

      I
      I
      . * * .
      . * IF * .
      * (CARD.NE.1) *
      I * . * I
      I * . * I
      I * . * I
      - I O I + I
-----
I GCTG100 I I I I

```

\*\*\* PROGRAM LOGIC MANUAL \*\*\* A.I.M.S. VERSION III \*\*\*

```

      I
      I
      -----
      I 100 I
      -----
  
```

END

SUBROUTINE SUBMIT(TP,ST)

IMPLICIT INTEGER\*2 (K)

LOGICAL\*1 TEST(185,10)

INTEGER\*2 DID(12)/1,3,6,2,7,3,10,4,10,5,10,1/

INTEGER\*2 BUTCHK(10)

INTEGER\*2 TP(5),ST,SG

INTEGER\*2 CSN, RTP, RSG

```

      I
      +-----+
      + 00      +
+++++++++ 10      +
+      + K1=1,185  +
+      +-----+
+      I
+      I
+      +-----+
+      + 00      +
+++++++++ 10      +
+      + K2=1,10   +
+      +-----+
+      I
+      I
+      +-----+
+      I TEST(K1,K2) =.FALSE.      I
+      +-----+
+      I
  
```

10 +++++++CONTINUE

\*\*\*RETURN

ENTRY CHECK(CSN,RTP,RSG)

TEST(CSN,DID(RTP+2\*(RSG-1)))=.TRUE.

\*\*\*RETURN

ENTRY GETCHK(CSN,BUTCHK)

I

((CONTINUED ON PAGE 10))

20 +++++CONTINUE

END

DIMENSION ALINE(32)

DIMENSION NON(3), TWO(3), THR(3), FOU(3), FIV(3)

INTEGER FILES(5)

INTEGER\*2 LESSON,SEGMNT,TYPE,FRKORS,QUESTN

INTERGR \* 2 RP, LN, ST, SC, CSN, T1, T2, T3, T4, T5

INTEGER\*2 RIGHT, ITEST, RNO, COUNT

```
INTEGER * 2 NDP(48),ANS(48),RECH(65),RECR(65),RECH(65)
```

```
INTEGER * 2 KEY(17),PREC(13)
```



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1977 PROGRAM LINE IF MANUAL 4287 A.I. 1.0. V. 5.10. 111 4287 11

1

INTEGER \* 2 TP(1),CARD,KTP,XST

INTEGER \* 2 CRNM(6)

INTEGER \* 2 GRD

INTEGER \* 2 SECTN(23)

INTEGER \* 2 SECTN(2),GROUP(2),BACK(65)

DATA ACW/'PRE','TEST',' ','/','TRD/'POST','TEST','/','  
TRP/'HOME','WORK',' ','/','FOU/'STUD','Y GUI','TOL '/,  
FIV/'ASSI','GNMF','INF '/

DATA ALINE/32\*'-----'/

LOGICAL ONE

EQUIVALENCE ( HOR(1), RECH(18) , ( Q'U , RECH(13) )

EQUIVALENCE ( KEY(1), RECH(41) , ( PC(1), RECH(58) )

EQUIVALENCE ( AMS(1), RECH(18) , ( CSM , RECH(2) , ( CSM , RECH(10) )

EQUIVALENCE ( NAMEHO(1) , BACK(1) , ( SECTN(1) , BACK(42) ) ,  
( GROUP(1) , BACK(44) )

\*\*\*READ(1,90) RP,LN,ST,SC,(TP(K),K=1,51,(CRNM(J),J=1,6)

90

FORMAT(12,7X,3I2,5I1,9X,5A2)

1

I LESSON =LN

I FILES(1) =12

I FILES(2) =6

I FILES(3) =8

I FILES(4) =4

I FILES(5) =0

I GRAD =0.00

I CARD =2

I COUNT=0

I IRP1 =1

I IPGE =1

I IOUT =3

I ONE =.TRUE.

I

I

+-----+

+ DO +

+++++++ 18 +

+ + KTP=1,5 +

+-----+

I

I

10. P. 107, LINE 1: "GENERAL" should be "GENERAL".

[illegible]

```

+
+
+-----+
+ I TYPE = TP(KTP)
+ I SEGMENT = I
+

```

```

+                                     I
+                                 +   |
+                             +       |
+                         . *      * .
+                     . *    IF     * .
+                 * (TP(KIP).NE.4)          *
+             I *        .           * I
+         I      * .               )
+     I                *            I
+ - I                  O I              I
+ -----
+ I GOTOU7            I              I

```

```

+                                     I
+      +-----+
+      | DG          |
+      +-----+
++++++|               |+++++
+      | 16          |
+      | KST=L, ST   |
+      +-----+

```

```

+
+
+
+-----+
+ I SFG^NT =KST
+-----+
+
+

```

```

17 +      CONTINUE
    +
    +      CALL RSEP(RP)
    +
    +      CALL GETIT (RFECH, IESSCH, SEGMENT, TYPE, FILES, ERRORS)
    +
    +      I
  (CONTINUED ON PAGE 13)

```



\*\*\* PROGRAM LOGIC MANUAL \*\*\* A.L.M.S. VERSION III \*\*\*

```

+
+       I
+       I
+       I
+       . * .
+       . * IF * .
+       * (ERRORS.EQ.1) *
+       I * . * I
+       I * . * I
+       I * . * I
+       - I      C I      + I
+ -----
+ I GOT12      I      I      I      I
+ -----

```

```

+
+       I
+       I
+       . * .
+       . * IF * .
+       * (ERRORS.EQ.-1) *
+       I * . * I
+       I * . * I
+       I * . * I
+       - I      C I      + I
+ -----
+ I GOT12      I      I      I      I
+ -----

```

3 + CALL FIRST (RPR, LESSON, SEGMENT, TYPE, CARD, FILES, RPRRS, ...)

```

+
+       I
+       I
+       . * .
+       . * IF * .
+       * (ERRORS.EQ.-1) *
+       I * . * I
+       I * . * I
+       I * . * I
+       - I      C I      + I
+ -----
+ I GOT12      I      I      I      I
+ -----

```

CALL HEADPG (IRPT, IPGE)

```

+
+       I
+ -----
+ I INV =CSN
+ -----
+
+       I

```

\*\*\*READ (9'INN) (BACK(J),J=1,6)

\*\*\*WRITE(2,100) (CRNM(J),J=1,6)

(CONTINUED ON PAGE 14)

(CONTINUED OF PAGE 15)



(CONTINUED ON PAGE 17)

\*\*\* PROGRAM LOGIC MANUAL \*\*\* A.I.P.S. VERSION III \*\*\*

```

+
+       I
+       I
+       I
+       . * .
+       . * IF .
+       * ((COUNT+2).LT.CMD)WRITE(1007, 77)
+       I * .
+       I * .
+       I * .
+       - I      C I      F I
+
+-----+-----+-----+
+ I      I      I      I      I      I
+-----+-----+-----+

```

999 + FORMAT(100,1X,'YOU MUST SEE YOUR INSTRUCTOR FOR THIS TEST TO BE HELD IN  
+ HIS TEST.')  
+ I

```

+-----+-----+
+ I GRAD =0.00 I
+ I COUNT=0 I
+-----+-----+

```

```

+       I
+       I
+-----+
+ I 8 I
+-----+

```

12 + \*\*\*WRITE(3,113) ERRORS

```

+ 113 + FORMAT(1X,'GRIT ERROR LEVEL = ',12)
+       I
+-----+
+ I 11 I
+-----+

```

10 + \*\*\*WRITE(3,112) ERRORS

```

+ 112 + FORMAT(1H1,'GRIT ERROR LEVEL = ',12)
+       I
+ 00 + FORMAT(1H1)

```

11 + CONTINUE

+ \*\*\*REXEND 4

+ I  
(CONTINUED ON PAGE 18)

10-11-1964

\*\*\* PROGRAM LOGIC MANUAL \*\*\* A.I.L.S. VERSION III \*\*\*

(

CALL DIVIDE(DATA,ITCS,INLTS,LEVELS)

\*\*\*RETURN

END

SUBROUTINE DECIDE( INLES,ITCS,DATA,LEVELS )

INTEGER HEADER,SYSTEM

INTEGER LEVELS(200),ITCS(200),DATA( )

INTEGER TO,PAGE

INTEGER\*2 TOTAL(48,10),HORS(66,10),OCTELF(10,2)

INTEGER\*2 TECHTS(200),BOOKS(5)

INTEGER\*2 NOS(40),PTAS(40),STUFEC(201),FEC(66),REC(15),\*NO(5)

INTEGER\*2 INFORM(12),DATE(4),TIME(4)

INTEGER\*2 ROSTER,LPERM,UPERM,LTEMP,ITCYP,FREFLAG,ICHT

INTEGER\*2 ISTU1(65),ISTU2(65),ISTU3(65),ISTU4(65)

EQUIVALENCE (INFORM(5),DATE(1)),(INFORM(9),TIME(1))

EQUIVALENCE (ISTU1(1),STUFEC(1)),(ISTU2(1),STUFEC(66))

EQUIVALENCE (ISTU3(1),STUFEC(131)),(ISTU4(1),STUFEC(156))

COMMON /FILES/ ICO,IPC,IPT,IPI,ISCH,HEADER,ICCT,ICUES,IFXCD,ISCDC,  
IFEXF,SYSTEM

I

I IKPONG =0

I IC =6

I ITAPE=I41

I IHEAD=HFADEF

I ISYS =SYSTEM

I DATA(3) =0000

I IRPT =13

I PAGE =1

I

I

+-----+

+ 00 +

+++++

I

+ 0=1,200 +

+-----+

I

I

-----

$$\begin{array}{r} + \\ + \\ + \\ + \end{array} \quad \begin{array}{r} \\ \\ 1125(4) = 4500 \\ \\ \end{array}$$

1 ++++++ ( ) TLNU.

\*\*\*RIT\* (IPT, 14)

```
15      ***READ (ICD,16,END=10) I-REFX,IL-IV
```

```

      I
      I
      . * * .
      . * IF * .
      * (LEVELS (INDEX),GT,0)
      I * . * I
      I * . * I
      I * . * I
      - I 0 I + I
-----
I GT0ID02 I I I I

```

$$\begin{array}{r} 1 \\ 1 \\ \hline 1 \quad 15 \quad 1 \end{array}$$

```

-003      FORMAT (1H1,'**** ERROR ****      DUPLICATE THRESHOLD SPECIFIED AND N-
          I.C. = ',I3,' ATTEMPTED VALUE = ',I3,' ORIGINAL VALUE = ',I3,'//
          //')

```

1. 4 = 0





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\*\*\* P I K N L T I M A C A T \*\*\*

I

\*\*\*READ (ISYS\*1) PTRS

DATA ISTOI/65\*0/

I

I INLES = PTRS\*2

I

I

+-----+

+ DO

+++++++ 3 +

+ + ICLP=1, IF INLES

+ +-----+

+ I

+ +

+ \*\*\*WRITE (ISCH\*ICL\*1) ISTOI

+ +

3 ++++++CONTINUE

\*\*\*READ (ISYS\*2) LPERM, APERM, LTEMP, NTEMP, CREFC

\*\*\*READ (ISYS\*3) PTRS

\*\*\*READ (ISYS\*4) NOS

I

I ISTART = PTRS(INLES)

I IEND = ISTART+NOS(INLES)-1

I IOIFF = ISTART-1

I

I

I

. \* .

. \* IF . \*

\*((INLES.GT.LPERM).OR.(INLES.LE.0))

I \* . \* I

I \* . \* I

I \* . \* I

- I 0 I + I

I CALLIXIT I I I I

I

+-----+

+ DO

61

+++++++ 2 +

+ + INP=ISTART, IF IO

+ +-----+

+ I

+ I

+ +

I INDEX=INP-IOIFF

I

I

(CONTINUED ON PAGE 23)

\*\*\* 21 JULY 1976 JOURNAL \*\*\* A.I.P.S. VOLUME 111 \*\*\*

```

+       I
+
+ ***READ (IHEAD*IHP) (HOR S(4,INDEX),N=1,66)
+
+ OCTBLE(INDEX,I)=HORS(4,INDEX)
+
+ OCTBLE(INDEX,P)=HORS(3,INDEX)
+
+   I
+ -----
+ I  NQUES=HORS(13,INDEX)
+ I  IPDINT =HORS(8,INDEX)
+ I  IAMP  =IPDINT+NQUES-1
+ -----
+
+       I
+       I
+     +-----+
+    + 00          +
+ ++++++++++  2  +++
+    + J=IPDINT,IAMP+
+     +-----+
+         I
+
+ ***READ (IQUES*J) RECO
+
+       I
+ -----
+ I  INDXL=J-IPDINT+1
+ -----
+
+       I
+
+ TOTBLE(INDXL,INDEX)=RECO(TO)
+
+       I
+ -----
+ I  ITO  =RECO(TO)
+ I  TCNTS(ITO) =TCNTS(ITO)+1
+ -----
+
+       I

```

2 +++++CONTINUE

\*\*\*REMIAD ITAPE

```
***READ (ITAPC,END=7000) RECS
```

```

      I
      I
      . * * .
      . * [F * .
      *(RECS(1).NE.INLFS) *
      I * . * I
      I * . * I
      I * * I
      - I O I + I
      -----
      I GOTO 12 I I I

```

1  
(.G TIMBER ON PAGE 24)

17

```

      (
      I
      . * * .
      . * IF * .
      *(DECS(I).GT.I+LFS) *
      I * . * I
      I * . * I
      I * * I
      - I 0 I + I
-----
I 62701900 I I I I
-----

      (
      -----
      I I I

```

106

1998

13

(CONTINUED ON PAGE 25)

\*\*\* PROGRAM LOGIC MANUAL \*\*\* A.I.S.S. VERSION III \*\*\*

```

      I
      I
      +-----+
      + 00      +
      +-----+
      +-----+
      + 106      +
      + IN=1,201  +
      +-----+
      +
      + I
      +
      + I
      +
      +-----+
      + STUREC(IN) =0000
      +-----+
      I
      +-----+
      I ITYPE=RFC5(4)
      I ISEG =RFC5(3)
      +-----+
      I
      I
      +-----+
      + 00      +
      +-----+
      + 107      +
      + IN=1,10   +
      +-----+
      +
      + I
      +
      + I
      +
      + I
      +
      + . * * .
      + . * IF * .
      + *(OCTBLF(IN,1).NF.ITYPE)
      + I * . * I
      + I * . * I
      + I * . * I
      + - I 0 I + I
      +-----+
      + I GETG107 I I I I
      +-----+
      +
      + I
      +
      + I
      +
      + . * * .
      + . * IF * .
      + *(OCTBLF(IN,2).FQ.ISEG)
      + I * . * I
      + I * . * I
      + I * . * I
      + - I 0 I + I
      +-----+
      + I GETG108 I I I I
      +-----+
      +
      +
      +
      + 107 ++++++CONTINUE

```

\*\*\*WRITE (IPF,7004) LTYPE,DCTBLE

(CONTINUED ON PAGE 25)



\*\*\*\* PROGRAM LOGIC MANUAL \*\*\*\* A.I.M.S. VOLUME III \*\*\*\*

110 \*\*\*\*\*CONTINUE

I ISAV=RECS(2)

\*\*\*READ(1TAP,END=8000) RECS

```

      * * *
      IF
      *(RECS(2).EQ.ISAV) *
      I * * *
      I * * *
      I * * *
      - I      0 I      + I
      -----
      I GOT0104  I      I      I      I
      -----
  
```

```

      +-----+
      + DO      +
      +-----+
      + DO      +
      + I=1,200 +
      +-----+
      + I
      + I
      +-----+
      + I TOP =STUREC(IN)
      + I BOT =IUCNIS(IN)
      +-----+
  
```

```

      I
      I
      I
      * * *
      IF
      *(IBOT.EQ.0) *
      I * * *
      I * * *
      I * * *
      - I      0 I      + I
      -----
      I GOT0111  I      I      I      I
      -----
  
```

```

      I
      +-----+
      + I STUREC(IN) =(100*I TOP)/IBOT
      +-----+
  
```

(CONTINUED ON PAGE 28)

44-38861-1000

```
+
+           |
+         [ ]
+         |
+       . * .
+     . * [ ] * .
+   . *      [ ]      * .
+ * (STORC(IN).L) .LEVELS(TO))
```

|   |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |     |
|---|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|-----|
| + | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 | 51 | 52 | 53 | 54 | 55 | 56 | 57 | 58 | 59 | 60 | 61 | 62 | 63 | 64 | 65 | 66 | 67 | 68 | 69 | 70 | 71 | 72 | 73 | 74 | 75 | 76 | 77 | 78 | 79 | 80 | 81 | 82 | 83 | 84 | 85 | 86 | 87 | 88 | 89 | 90 | 91 | 92 | 93 | 94 | 95 | 96 | 97 | 98 | 99 | 100 |
| + | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 | 51 | 52 | 53 | 54 | 55 | 56 | 57 | 58 | 59 | 60 | 61 | 62 | 63 | 64 | 65 | 66 | 67 | 68 | 69 | 70 | 71 | 72 | 73 | 74 | 75 | 76 | 77 | 78 | 79 | 80 | 81 | 82 | 83 | 84 | 85 | 86 | 87 | 88 | 89 | 90 | 91 | 92 | 93 | 94 | 95 | 96 | 97 | 98 | 99 | 100 |
| + | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 | 51 | 52 | 53 | 54 | 55 | 56 | 57 | 58 | 59 | 60 | 61 | 62 | 63 | 64 | 65 | 66 | 67 | 68 | 69 | 70 | 71 | 72 | 73 | 74 | 75 | 76 | 77 | 78 | 79 | 80 | 81 | 82 | 83 | 84 | 85 | 86 | 87 | 88 | 89 | 90 | 91 | 92 | 93 | 94 | 95 | 96 | 97 | 98 | 99 | 100 |
| + | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 | 51 | 52 | 53 | 54 | 55 | 56 | 57 | 58 | 59 | 60 | 61 | 62 | 63 | 64 | 65 | 66 | 67 | 68 | 69 | 70 | 71 | 72 | 73 | 74 | 75 | 76 | 77 | 78 | 79 | 80 | 81 | 82 | 83 | 84 | 85 | 86 | 87 | 88 | 89 | 90 | 91 | 92 | 93 | 94 | 95 | 96 | 97 | 98 | 99 | 100 |
| + | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 | 51 | 52 | 53 | 54 | 55 | 56 | 57 | 58 | 59 | 60 | 61 | 62 | 63 | 64 | 65 | 66 | 67 | 68 | 69 | 70 | 71 | 72 | 73 | 74 | 75 | 76 | 77 | 78 | 79 | 80 | 81 | 82 | 83 | 84 | 85 | 86 | 87 | 88 | 89 | 90 | 91 | 92 | 93 | 94 | 95 | 96 | 97 | 98 | 99 | 100 |
| + | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |     |

```
+
+               I
+-----+-----+
+ I STORC(201) =1
+ I TLOS(IN) =I TOS(IN)+1
+-----+-----+
+               I
```

ALL +++++CONTINUE

```

      I
      I
    *   *   *
  *     IF     *
*(STOREC(201).GT.9)DATA(3)=DATA(3)
I * .           * I
I       * .         * I
I             * . *   I
- I               G I       + I
-----
I + I I          I        I          I I
-----

```

```

      I
      I
      . * * .
      . * IF * .
      * (STURFC(201),FC.0) *
      I * . * I
      I * . * I
      I * . * I
      - I C I + I
-----
I GCT912G I I I I
-----

```

CALL HEADPG(INPT,PAGE)

\*\*\*KFAU(1BKGD\*ISAVF1BCKG

```
***WRITE (1PT,112) (BCKG(1,1),1PT=6,18),(BCKG(1PT),1PT=19,23),1PT=24
```

(CONTINUED ON PAGE 29)



\*\*\*\*\* PROGRAM LOGICAL \*\*\*\*\*

I

112 FORST (1H0,12A2,' I.D. FORM NO. 5,5A2,712 ,11' ,STUDENT' )  
 D ABOVE HAS PERFORMED FOLLOW PRE-SET LEVELS OF PERFORMANCE  
 MAL OBJECTIVE(S) IN LESSON 5,12,7140,  
 ----- PERFORMANCE DATA -----  
 ---',/1H0,5X,'1.2.',20X,'PERCENT 100',20X,'CUMULATIVE',/1.0)

I

```

+-----+
+ 00      +
+++++++ 113      +
+ 1PT=1,200      +
+-----+
+          I
+          I
+          I
+      . * .
+      . * IF      .
+      . (STUREC(IRT).LE.000)
+      I * .      . * I
+      1      * .      *      1
+      1      * . *      I
+      - I      ( I      + I
+-----+-----+-----+
+ 1 GOTL113      I      I      I      I
+-----+-----+-----+

```

\*\*\*WRITE (IPT,114)IRT,STUREC(IRT),LEVELS(IRT)

114 FORST (1H ,5X,13,25X,13,30X,13)

113 ++++++CONTINUE

I

```

120 I IP0INT =(ISAVE*4)-3      I
I INEXT=IP0INT+1      I
I INFX =INEXT+1      I
I INX =INFX+1      I
-----

```

I

\*\*\*WRITE (ISCH'IP0INT) ISTU1

\*\*\*WRITE (ISCH'INEXT) ISTU2

\*\*\*WRITE(ISCH'INFX)ISTU3

\*\*\*WRITE(ISCH'INX)ISTU4

I

(CONTINUED ON PAGE 30)

U. S. 11

- 767

```

      I
      I
      +-----+
+ 20 +
+++++ 8001 +
+ + IRT=1,200 +
+ +-----+

```

100

021 \*\*\*\*\*CONTINUE



!

111

1116

111

H H H



[illegible]

(CONTINUED ON PAGE 33)



4 ++++++I LOC(LN,J) =ITFPP(J)

1  
1  
(CONTINUED ON PAGE 34)

|   |   |   |
|---|---|---|
| 1 | 2 | 3 |
|---|---|---|

1  
 1  
 - 2 3  
 - 3 4 5 6  
 7 (IN,LT,MOD) & RIT (IPT,7)  
 1 8  
 1 9  
 1 0 1  
 - 1 2 3 4 5 6 7 8 9 10  
 -----  
 1 1 1 1 1 1 1 1 1 1

I

```

+-----+
+  DO      +
+++++++
+  I=1,200  +
+-----+
+          I
+          I
+-----+
+  I IVEX(I,1) =I
+-----+
+          I
+-----+

```

```
5 ++++++1 IVEX(1,2) = (TUS(1)
```

```

      I
      I
      +-----+
      +  00      +
+++++++  II      +
+  I=1,199      +
      +-----+
      I
      I
      -----
      { JI      =I+1
      -----
      I

```



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10 +++++CONTINUE

```
1 I      =IDATA(1)/%GMI
```

(CONTINUED ON PAGE 37)

25 ++++++CONTINUE

(CONTINUED ON PAGE 38)



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CALL COARF(LEVELS, IDATA, ITES, LEVELS, ICLASS, IV-0, SCAL, NSTRU ,IC 1, L)

הַיְּהוּדִים

```

DIMENSION ICNT(10), IVER(200,2), LCC(10,20), ICLASS(10,20), IJ, JA(5)

```

DIMENSION ITGS(200),LEVELS(200),NCLAS(10,100),IREJCI(20)

```
INTECER*2 INFORM(12),DATE(4),TIME(4),RECD(65),STATUS(20),INTC(11)
```

EQUIVALENT (INFORM(5),DATE(1)),(INFORM(9),TIME(1))

```
COMMON/FILES/ICD,IP1,IP2,ISCH,THEAD,LOC1,IQUI ST,ISTUD,ISCD1,I
```

```

I IRPT =13
I IPAGE=1

```

CALL INFO( INFORM)

```

I ISEED=DATE(2)+DATE(3)+TIME(4)
I ISEED=IABS( ISEED)
I ISEED=(( ISEED/8)*2)+1

```

CALL RANDU( ISEED, IY, YFL)

```

1  [ NUM = YEL* [ DATA(2)

```

(CONTINUED) ON PAGE 41)

(CONTINUED ON PAGE 42)

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|           |                 |       |
|-----------|-----------------|-------|
|           | I               |       |
|           | I               |       |
|           | -----           |       |
|           | I G C I         |       |
|           | -----           |       |
|           |                 |       |
|           | I               |       |
|           | I               |       |
|           | . . . . .       |       |
|           | . . . IF . . .  |       |
|           | (IS - LT. ISAR) |       |
| I *       | .               | * I   |
| I         | *               | I     |
| I         | .               | I     |
| - I       | * . *           | I     |
|           | I               | * I   |
| -----     | -----           | ----- |
| I G T I O | I I             | I I   |
| -----     | -----           | ----- |

```
+-----+-----+-----+
+               I
+-----+-----+-----+
+   I ISAM = ISCM
+   I ISAVI = I
+-----+-----+-----+
+               I
```

50 +++++CONTINUE

```
+      I  
+      I  
+      *  
+      IF  
+      *(IC)O(I SAVC).GE.NSTUD)  
+      I * . * I  
+      I * . * I  
+      I * . * I  
+      - I C I + I  
+ -----  
+ I GOTUID I I I
```

```

+-----+-----+-----+
+          [
+-----+-----+-----+
+ I ICTO(ISAVE) = ICTO(ISAVE)+1
+-----+-----+-----+
+          I

```

```

+      NCLAS( ISAVE, ( ICTO( ISAVE ) ) ) = IND

```

(CONTINUED ON PAGE 44)

\*\*\*\*\* PROGRAM LOGIC MANUAL \*\*\*\*\* A.I.C.2. VERSION III \*\*\*\*\*

```

+
+      I
+      I
+      -----
+      I 100 I
+      -----
+
+      I
+      I
+      * * *
+      IF *
+      ((ICL (ISAV1)).GT.NSTUD)
+      I * * * * *
+      I * * * * *
+      I * * * * *
+      - I      C I      + I
+      -----
+ I 307510      I      I      I      I
+      -----
+
+      I
+      -----
+      I (CTO (ISAV1) = I CTO (ISAV1) + 1
+      -----
+      I
+      NCLAS (ISAV1, (I CTO (ISAV1))) = IND
+      I
+      -----
+      I 100 I
+      -----
+
+      I
+      -----
+      I N      = NGM I + 1
+      I I CTO (N) = I CTO (N) + 1
+      -----
+      I
+      IPEJCT (I CTO (N)) = IND
+
100 *****CONTINUE
+
+      I
+      +-----+
+      + 00      +
+      +-----+
+      + 200      +
+      + I=1, NGM I +
+      +-----+
+      I
+
+      CALL HEADPG (IRPT, IPAGE)
+      I
+      -----
+      I I      = ICNT (I)
+      -----

```

```
***WRITE(IPT,100) (L VELS(IVEX(IGLASS(I,J),1)),J=1,(1))
```

FGP AT (LHO,OK,THRESHOLD LEVEL) SET AT - 1,20141

```
***W2 ITC(IFT,ILL)
```

```

FORMAT(10,'THE FOLLOWING STUDENTS HAVE BEEN ASSIGNED TO THIS TUTORIAL SESSION'//7X,'STUDENT NAME',10X,'NUMBER',1X,'PROGRESS',1X//10X)
DO 10 I=1,N
  READ(1,100) NAME,NO,PROG
  WRITE(2,100) NAME,NO,PROG
100  FORMAT(10,'THE ABOVE TERMINAL OBJECTIVES'//7X,'26(1-1), 27(1-1), 28(1-1), 29(1-1), 30(1-1), 31(1-1), 32(1-1), 33(1-1), 34(1-1), 35(1-1), 36(1-1), 37(1-1), 38(1-1), 39(1-1), 40(1-1), 41(1-1), 42(1-1), 43(1-1), 44(1-1), 45(1-1), 46(1-1), 47(1-1), 48(1-1), 49(1-1), 50(1-1), 51(1-1), 52(1-1), 53(1-1), 54(1-1), 55(1-1), 56(1-1), 57(1-1), 58(1-1), 59(1-1), 60(1-1), 61(1-1), 62(1-1), 63(1-1), 64(1-1), 65(1-1), 66(1-1), 67(1-1), 68(1-1), 69(1-1), 70(1-1), 71(1-1), 72(1-1), 73(1-1), 74(1-1), 75(1-1), 76(1-1), 77(1-1), 78(1-1), 79(1-1), 80(1-1), 81(1-1), 82(1-1), 83(1-1), 84(1-1), 85(1-1), 86(1-1), 87(1-1), 88(1-1), 89(1-1), 90(1-1), 91(1-1), 92(1-1), 93(1-1), 94(1-1), 95(1-1), 96(1-1), 97(1-1), 98(1-1), 99(1-1), 100(1-1), 101(1-1), 102(1-1), 103(1-1), 104(1-1), 105(1-1), 106(1-1), 107(1-1), 108(1-1), 109(1-1), 110(1-1), 111(1-1), 112(1-1), 113(1-1), 114(1-1), 115(1-1), 116(1-1), 117(1-1), 118(1-1), 119(1-1), 120(1-1), 121(1-1), 122(1-1), 123(1-1), 124(1-1), 125(1-1), 126(1-1), 127(1-1), 128(1-1), 129(1-1), 130(1-1), 131(1-1), 132(1-1), 133(1-1), 134(1-1), 135(1-1), 136(1-1), 137(1-1), 138(1-1), 139(1-1), 140(1-1), 141(1-1), 142(1-1), 143(1-1), 144(1-1), 145(1-1), 146(1-1), 147(1-1), 148(1-1), 149(1-1), 150(1-1), 151(1-1), 152(1-1), 153(1-1), 154(1-1), 155(1-1), 156(1-1), 157(1-1), 158(1-1), 159(1-1), 160(1-1), 161(1-1), 162(1-1), 163(1-1), 164(1-1), 165(1-1), 166(1-1), 167(1-1), 168(1-1), 169(1-1), 170(1-1), 171(1-1), 172(1-1), 173(1-1), 174(1-1), 175(1-1), 176(1-1), 177(1-1), 178(1-1), 179(1-1), 180(1-1), 181(1-1), 182(1-1), 183(1-1), 184(1-1), 185(1-1), 186(1-1), 187(1-1), 188(1-1), 189(1-1), 190(1-1), 191(1-1), 192(1-1), 193(1-1), 194(1-1), 195(1-1), 196(1-1), 197(1-1), 198(1-1), 199(1-1), 200(1-1), 201(1-1), 202(1-1), 203(1-1), 204(1-1), 205(1-1), 206(1-1), 207(1-1), 208(1-1), 209(1-1), 210(1-1), 211(1-1), 212(1-1), 213(1-1), 214(1-1), 215(1-1), 216(1-1), 217(1-1), 218(1-1), 219(1-1), 220(1-1), 221(1-1), 222(1-1), 223(1-1), 224(1-1), 225(1-1), 226(1-1), 227(1-1), 228(1-1), 229(1-1), 230(1-1), 231(1-1), 232(1-1), 233(1-1), 234(1-1), 235(1-1), 236(1-1), 237(1-1), 238(1-1), 239(1-1), 240(1-1), 241(1-1), 242(1-1), 243(1-1), 244(1-1), 245(1-1), 246(1-1), 247(1-1), 248(1-1), 249(1-1), 250(1-1), 251(1-1), 252(1-1), 253(1-1), 254(1-1), 255(1-1), 256(1-1), 257(1-1), 258(1-1), 259(1-1), 260(1-1), 261(1-1), 262(1-1), 263(1-1), 264(1-1), 265(1-1), 266(1-1), 267(1-1), 268(1-1), 269(1-1), 270(1-1), 271(1-1), 272(1-1), 273(1-1), 274(1-1), 275(1-1), 276(1-1), 277(1-1), 278(1-1), 279(1-1), 280(1-1), 281(1-1), 282(1-1), 283(1-1), 284(1-1), 285(1-1), 286(1-1), 287(1-1), 288(1-1), 289(1-1), 290(1-1), 291(1-1), 292(1-1), 293(1-1), 294(1-1), 295(1-1), 296(1-1), 297(1-1), 298(1-1), 299(1-1), 300(1-1), 301(1-1), 302(1-1), 303(1-1), 304(1-1), 305(1-1), 306(1-1), 307(1-1), 308(1-1), 309(1-1), 310(1-1), 311(1-1), 312(1-1), 313(1-1), 314(1-1), 315(1-1), 316(1-1), 317(1-1), 318(1-1), 319(1-1), 320(1-1), 321(1-1), 322(1-1), 323(1-1), 324(1-1), 325(1-1), 326(1-1), 327(1-1), 328(1-1), 329(1-1), 330(1-1), 331(1-1), 332(1-1), 333(1-1), 334(1-1), 335(1-1), 336(1-1), 337(1-1), 338(1-1), 339(1-1), 340(1-1), 341(1-1), 342(1-1), 343(1-1), 344(1-1), 345(1-1), 346(1-1), 347(1-1), 348(1-1), 349(1-1), 350(1-1), 351(1-1), 352(1-1), 353(1-1), 354(1-1), 355(1-1), 356(1-1), 357(1-1), 358(1-1), 359(1-1), 360(1-1), 361(1-1), 362(1-1), 363(1-1), 364(1-1), 365(1-1), 366(1-1), 367(1-1), 368(1-1), 369(1-1), 370(1-1), 371(1-1), 372(1-1), 373(1-1), 374(1-1), 375(1-1), 376(1-1), 377(1-1), 378(1-1), 379(1-1), 380(1-1), 381(1-1), 382(1-1), 383(1-1), 384(1-1), 385(1-1), 386(1-1), 387(1-1), 388(1-1), 389(1-1), 390(1-1), 391(1-1), 392(1-1), 393(1-1), 394(1-1), 395(1-1), 396(1-1), 397(1-1), 398(1-1), 399(1-1), 400(1-1), 401(1-1), 402(1-1), 403(1-1), 404(1-1), 405(1-1), 406(1-1), 407(1-1), 408(1-1), 409(1-1), 410(1-1), 411(1-1), 412(1-1), 413(1-1), 414(1-1), 415(1-1), 416(1-1), 417(1-1), 418(1-1), 419(1-1), 420(1-1), 421(1-1), 422(1-1), 423(1-1), 424(1-1), 425(1-1), 426(1-1), 427(1-1), 428(1-1), 429(1-1), 430(1-1), 431(1-1), 432(1-1), 433(1-1), 434(1-1), 435(1-1), 436(1-1), 437(1-1), 438(1-1), 439(1-1), 440(1-1), 441(1-1), 442(1-1), 443(1-1), 444(1-1), 445(1-1), 446(1-1), 447(1-1), 448(1-1), 449(1-1), 450(1-1), 451(1-1), 452(1-1), 453(1-1), 454(1-1), 455(1-1), 456(1-1), 457(1-1), 458(1-1), 459(1-1), 460(1-1), 461(1-1), 462(1-1), 463(1-1), 464(1-1), 465(1-1), 466(1-1), 467(1-1), 468(1-1), 469(1-1), 470(1-1), 471(1-1), 472(1-1), 473(1-1), 474(1-1), 475(1-1), 476(1-1
```

I K = 157211

\*\*\*WRITE (IPT,220)

```

FORMAT(1H0,10X,'####'      NO STUDENTS ASSIGNED TO THIS SESSION
      **')

```

I  
-----  
I 200 I

(CONTINUED ON PAGE 46)

1966 PROGRAM LOGIC MANUAL FOR A.I.S.S. VERSION III

```

+
+      I
+      I
+      +-----+
312 +      + 20      +
+      +-----+ 150 +
+      + IV=1,2    +
+      +-----+
+      I
+
+ 310 + CONTINUE
+
+      ***READ(ISTUD,NCLAS(I,IV))PE-CD
+
+ 309 + CONTINUE
+      I
+      +-----+
+      I IND =NCLAS(I,IV)      I
+      I IBT =(4*IND)-3        I
+      +-----+
+      I
+
+      ***READ(ISCH,IBT)(STDATA(J),J=1,5)
+
+ 308 + CONTINUE
+      I
+      +-----+
+      I IBT =IBT+1            I
+      +-----+
+      I
+
+      ***READ(ISCH,IBT)(STDATA(J),J=6,130)
+
+ 307 + CONTINUE
+      I
+      +-----+
+      I IBT =IBT+1            I
+      +-----+
+      I
+
+      ***READ(ISCH,IBT)(STDATA(J),J=131,195)
+
+      CONTINUE
+      I
+      +-----+
+      I IBT =IBT+1            I
+      +-----+
+      I
+
+      ***READ(ISCH,IBT)(STDATA(J),J=196,201)
+
+      CONTINUE
+      I
+      +-----+
+      I KT  =ICNT(I)          I
+      +-----+
+      I
+      I

```

(CONTINUED ON PAGE 47)

11 12 13

|   |   |   |   |
|---|---|---|---|
| 1 | 1 | 1 | 1 |
|---|---|---|---|

210

111

105

III

+++++ 250 +  
+ I=L,K +  
+ +-----+

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1

I

55

75

\* (LR-2 VOL)

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100 101 102 103 104 105 106 107 108 109 110 111 112 113 114 115 116 117 118 119 120 121 122 123 124 125 126 127 128 129 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 150 151 152 153 154 155 156 157 158 159 160 161 162 163 164 165 166 167 168 169 170 171 172 173 174 175 176 177 178 179 180 181 182 183 184 185 186 187 188 189 190 191 192 193 194 195 196 197 198 199 200 201 202 203 204 205 206 207 208 209 210 211 212 213 214 215 216 217 218 219 220 221 222 223 224 225 226 227 228 229 230 231 232 233 234 235 236 237 238 239 240 241 242 243 244 245 246 247 248 249 250 251 252 253 254 255 256 257 258 259 260 261 262 263 264 265 266 267 268 269 270 271 272 273 274 275 276 277 278 279 280 281 282 283 284 285 286 287 288 289 290 291 292 293 294 295 296 297 298 299 300 301 302 303 304 305 306 307 308 309 310 311 312 313 314 315 316 317 318 319 320 321 322 323 324 325 326 327 328 329 330 331 332 333 334 335 336 337 338 339 340 341 342 343 344 345 346 347 348 349 350 351 352 353 354 355 356 357 358 359 360 361 362 363 364 365 366 367 368 369 370 371 372 373 374 375 376 377 378 379 380 381 382 383 384 385 386 387 388 389 390 391 392 393 394 395 396 397 398 399 400 401 402 403 404 405 406 407 408 409 410 411 412 413 414 415 416 417 418 419 420 421 422 423 424 425 426 427 428 429 430 431 432 433 434 435 436 437 438 439 440 441 442 443 444 445 446 447 448 449 450 451 452 453 454 455 456 457 458 459 460 461 462 463 464 465 466 467 468 469 470 471 472 473 474 475 476 477 478 479 480 481 482 483 484 485 486 487 488 489 490 491 492 493 494 495 496 497 498 499 500 501 502 503 504 505 506 507 508 509 510 511 512 513 514 515 516 517 518 519 520 521 522 523 524 525 526 527 528 529 530 531 532 533 534 535 536 537 538 539 540 541 542 543 544 545 546 547 548 549 550 551 552 553 554 555 556 557 558 559 560 561 562 563 564 565 566 567 568 569 570 571 572 573 574 575 576 577 578 579 580 581 582 583 584 585 586 587 588 589 590 591 592 593 594 595 596 597 598 599 600 601 602 603 604 605 606 607 608 609 610 611 612 613 614 615 616 617 618 619 620 621 622 623 624 625 626 627 628 629 630 631 632 633 634 635 636 637 638 639 640 641 642 643 644 645 646 647 648 649 650 651 652 653 654 655 656 657 658 659 660 661 662 663 664 665 666 667 668 669 670 671 672 673 674 675 676 677 678 679 680 681 682 683 684 685 686 687 688 689 690 691 692 693 694 695 696 697 698 699 700 701 702 703 704 705 706 707 708 709 710 711 712 713 714 715 716 717 718 719 720 721 722 723 724 725 726 727 728 729 730 731 732 733 734 735 736 737 738 739 740 741 742 743 744 745 746 747 748 749 750 751 752 753 754 755 756 757 758 759 760 761 762 763 764 765 766 767 768 769 770 771 772 773 774 775 776 777 778 779 780 781 782 783 784 785 786 787 788 789 790 791 792 793 794 795 796 797 798 799 800 801 802 803 804 805 806 807 808 809 810 811 812 813 814 815 816 817 818 819 820 821 822 823 824 825 826 827 828 829 830 831 832 833 834 835 836 837 838 839 840 841 842 843 844 845 846 847 848 849 850 851 852 853 854 855 856 857 858 859 860 861 862 863 864 865 866 867 868 869 870 871 872 873 874 875 876 877 878 879 880 881 882 883 884 885 886 887 888 889 890 891 892 893 894 895 896 897 898 899 900 901 902 903 904 905 906 907 908 909 910 911 912 913 914 915 916 917 918 919 920 921 922 923 924 925 926 927 928 929 930 931 932 933 934 935 936 937 938 939 940 941 942 943 944 945 946 947 948 949 950 951 952 953 954 955 956 957 958 959 960 961 962 963 964 965 966 967 968 969 970 971 972 973 974 975 976 977 978 979 980 981 982 983 984 985 986 987 988 989 990 991 992 993 994 995 996 997 998 999 1000 1001 1002 1003 1004 1005 1006 1007 1008 1009 1010 1011 1012 1013 1014 1015 1016 1017 1018 1019 1020 1021 1022 1023 1024 1025 1026 1027 1028 1029 1030 1031 1032 1033 1034 1035 1036 1037 1038 1039 1040 1

\*\*\*\*\*

!                  \*    •    \*

$$- \{ \quad \quad \quad \} \quad \quad \quad \div \{$$

I 203.4 I 20201 I 201.24

CALL CHECK(PCSN, RTP, RSG)

5

( 2010 )

1

030 I ERRE=-1

1

720 CONTINUE

Y

$$I_{KPG} = (KINFIL/45) + 1$$

I

I

-----

+ DG +

+++++ 3000 +

+ KD2=1,KPGF +

+

1

CALL HEADPG( IRPT, IPGE)

```
***WRITE(10TPT,510)
```

```

SL0 +          FORMAT( 45X, '*** VOLUME SUBMITTAL REVIEW ***')

```

```
***WRITE(IOTPT,515) (CRN4(K),K=1,6),LN
```

I

(CONTINUED ON PAGE 50)

```

**** PROGRAM LOGIC MANUAL **** A.I.M.S. VERSION III ****

```

```

+
+
+
510 +      FORMAT( /,40X,'COURSE', ' ',6A2,5X,'VOLUME NO. ',13)
+

```

```

+      ***WRITE(IOTPT,550)
+

```

```

550 +      FORMAT(/,24X'NOTE, 10/S - SIGNIFIES THAT STUDENT DID NOT SUBMIT
+      MATERIALS FOR PROCESSING',
+      /,31X'SUB. - SIGNIFIES THAT STUDENT DID SUBMIT MATERIALS FOR
+      SSING',/)
+

```

```

+      ***WRITE(IOTPT,530)

```

```

530 +      FORMAT (10X,'STUDENT',15X,'CSN PRE.',5(3X,'STUDY'),
+      ' ASSIGN HOME POST',/,
+      37X,'TEST ONE(1) ONE(2) ONE(3) ONE(4) ONE(5)',
+      11X,'WORK TEST')
+

```

```

+      I
+      +-----+
+      + 00      +
+      +-----+
+      + 3010    +
+      +-----+
+      + K03=1,45 +
+      +-----+
+      +

```

```

+      ***READ(ISTDCK,KST0)ST0CK
+

```

```

+      I
+      I
+      . * .
+      . * IF .
+      * (KURUP.EQ.1) *
+      1 * . * 1
+      1 . * . * 1
+      1 * . * 1
+      - 1 0 1 + 1
+      -----
+      I GOTO1030 I I I I
+      -----
+

```

```

+      CALL GETCHK(CSN,OUTCHK)
+      WRITE(IOTPT,520) (STONME(K1),K1=1,13),CSN,(OUTPUT(OUTCHK(K2)),
+      K2=1,9)
+

```

```

+      I
+      -----
+      I 10701
+      -----
+

```

```

030 +      ***WRITE(IOTPT,540)(STONME(K1),K1=1,13),CSN
+

```

```

+      I
+      (CONTINUED ON PAGE 51)

```



\*\*\* BASIC LOGIC MANUAL \*\*\* A.I.C.S. VOLUME III \*\*\*

```

+
+      I
+      I
+      I
070 +      . * * .
+      . * IF * .
+      * (KSTD.GE.KIRFI) *
+      I * . * * I
+      I * . * * I
+      I * . * * I
+      - I      0 I      + I
+-----+-----+-----+
+ I GOTD1000 I      I      I      I
+-----+-----+-----+
+
+      I
+-----+-----+-----+
+ I KSTD =KSTD+1 I
+-----+-----+-----+
+
+      I
+
010 ++++++CONTINUE
+
000 ++++++CONTINUE
+
+      I
+      I
+      . * * .
+      . * IF * .
+      * (ERRRD.EQ.0) *
+      I * . * * I
+      I * . * * I
+      I * . * * I
+      - I      0 I      + I
+-----+-----+-----+
+ I GOTD1999 I      I      I      I
+-----+-----+-----+
+
+      I
+-----+-----+-----+
+ I LN =RVOL I
+-----+-----+-----+
+
+      I
+      I
+-----+-----+-----+
+ I 20701
+-----+-----+-----+

```

020 FORMAT(1X,12A2,A1,6X ,I3,2X,9(A4,4X))

040 ' FORMAT(1X,12A2,A1,6X,I3,' STUDENT DROPPED')

999 \*\*\*RETURN

(CONTINUED ON PAGE 52)

\*\*\* PROGRAM LOGIC MANUAL \*\*\* A.L.A.S. VERSION III \*\*\*

END

SUBROUTINE REP12

INTEGER\*2 STORCK(6),STORCK(10),CRNM(6), INFIL,NINCRS

EQUIVALENCE (STORCK(1),STORCK(6))

DATA IMPTC, IOTPT, ISTD8, IATASY, IPGE/1,3,9,12,1/

I JSTD =1

\*\*\*READ (IMPTC,10) RP, (CRNM(K),K=1,6)

\*\*\*READ (IATASY,1) NINFIL,NINCRS

I KDUM2=(NINFIL/48)+1

```

+-----+
+ 00      +
+++++++ 1000 +
+ KDUM1=1,KDUM2+
+-----+

```

CALL HEADPG(RP,IPGE)

\*\*\*WRITE (IOTPT,520) (CRNM(K),K=1,6)

\*\*\*WRITE (IOTPT,530)

```

+-----+
+ 00      +
+++++++ 1100 +
+ KDUM3=1,48 +
+-----+

```

\*\*\*READ (ISTD8,JSTD) STORCK

WRITE (IOTPT,510) (STORCK(K2),K2=1,13), (STORCK(K3),K3=19,23), STORCK(

2)

(CONTINUED ON PAGE 53)

(CONTINUED ON PAGE 54)

\*\*\*\*\* PROGRAM LISTING \*\*\*\*\* \*\*\* RELEASED BY NND 1000000000 \*\*\*\*\*

I

\*\*\*READ(141,SYN1) NINFIL, NINCRS

\*\*\*READ(INPTC,10) RP, LN, ST, SC, (TP(J), J=1,5), (CT(J), J=1,5)

CALL CNAME('NINFIL')

CONTINUE

I

I JSTD =1

I

I IPGE =1

I

I

CALL HUDSEC(RP, LN, ST, TP, CTOT, CH)

I

I

\* IF \*

\* (CH.NE.0) \*

I \* \*

I \* \*

I \* \*

- I 0 I + I

I GOTC192 I I I I

CALL SUBMIT(TP, ST)

CALL GETREC(RP, LN, PLN, NINFIL, NINCRS, CTOT, ERNG)

CALL GRPST

CALL REP13(CRNM)

I

I JDUM2=(NINFIL/45)+1

I

I

I

+-----+

+ DO +

+++++++ 1100 +

+ JDUM1=1, JDUM2+

+ +-----+

+ I

+ CALL HEADPG(IRPT, IPGE)

+ \*\*\*WRITE(IGTPT,510)

+ \*\*\*WRITE(IGTPT,515)(CRNM(K), K=1,6), LN

I

(- JETTER ON PAGE 55)



ERIC  
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\*1\*\* PROGRAM LOGIC MANUAL 444 4.1.0.3. VERSION III \*\*.\*1

CALL GETCUN(JSTO, ITPUT)

```
***PRITE(IGTPY,523)(STCN=(K4),K4=1,13),ST289,(CLF20I(-4),K4=1,13)
```

1  
-----  
1 16701

```
***WRITE(IUTPT,540)(STORNG(K5),K5=1,13),STORNG
```

I 10701

```
***WRITE(IOTPT,550)(STORCIE(K5),K5=1,13),STORCIE
```

I  
-----  
I 10761

```
***WRITE(ICTPT,560)(STONAME(K5),K5=L,L3),STONAM
```

一一

```

      * * *
    * * IF *
  * (JSTD.GG.WINFIL) *
  * * *
    * *
      * *
        * *
          O I

```

I GOTO1100 I I I I

1

```

1 JSTD =JSTD+1

```

I

900 ++++++CONTINUE

100 +++++CONTINUE

(CONTINUED ON PAGE 57)

22.0

$$\begin{array}{r} 1 \\ \hline 1 \text{ LN} = 5 \text{ LN} \\ \hline 1 \\ 1 \\ \hline 1 \end{array}$$

۱۱۲

15.

17

14

501

410

515

11-1870

340

550

560

(CONTINUED) ON PAGE 58)

\*\*\* P-COMPA LOGIC MANUAL \*\*\* 1.1. 1.5. VERSION III \*\*\*

I

001 \*\*\*RETURN

END

SUBROUTINE CUMAVE(NF)

INTEGER\*2 OUTPUT(13),CUMSL(4),CUMNL(4),IF,CSN

INTEGER\*2 LA,GRN(4)

INTEGER INPTC/1/,ISCRAT/5/,IPUNCH/2/

\*\*\*READ(INPTC,15) LA

15 FORMAT(70X,13)

I

+-----+

+ DO +

+++++++ 1000 +

+ KCS=1,NF +

+ +-----+

+ I

+ +

\*\*\*READ(INPTC,10) CSN,(CUMSL(K),CUMNL(K),K=1,4)

10 + FORMAT(13,4(15,13))

+ I

+ +-----+

+ I JSN =CSN/I +

+ +-----+

+ I

+ +

\*\*\*WRITE(ISCRAT'JSN) CSN,(CUMSL(K),CUMNL(K),K=1,4)

+ +

000 ++++++CONTINUE

\*\*\*RETURN

ENTRY GETCUP(CSN,OUTPUT)

I

+-----+

+ I JSN =CSN/I +

+ +-----+

+ I

\*\*\*READ(ISCRAT'JSN) CSN,(CUMSL(K),CUMNL(K),K=1,4)

I

+-----+

+ DO +

+++++++ 2000 +

+ K=1,3 +

+ +-----+

+ I

+ I

+ +

+ CUMSL(K) =CUMSL(K)+OUTPUT(K+4) +

+ +-----+



(CONTINUED ON PAGE 59)

P. 000000 LOGIC MANUAL \*\*\*\* A.I.P.S. VERSION 111 \*\*\*\*

```

+
+      I
+      CUMSL(K)=CUMSL(K)+1
+

```

```

1000 *****CONTINUE

```

```

+-----+
+      I
+      CUMSL(4) =CUMSL(4)+OUTPUT(9)
+      CUMNL(4) =CUMNL(4)+1
+-----+

```

```

+-----+
+      I
+      I
+      +-----+
+      + DO
+      +-----+
+      + DO
+      +-----+
+      + K=10,13
+      +-----+

```

```

+-----+
+      I
+      I
+      +-----+
+      I OUTPUT(K) =CUMSL(K-9)/CUMNL(K-9)
+      +-----+

```

```

1010 *****CONTINUE

```

```

***WRITE(ISCRAI'JSM) CSN,(CUMSL(K),CUMNL(K),K=1,4)

```

```

***RETURN

```

```

ENTRY OUTCUM(LN,CRNM)

```

```

20 ***WRITE(IPUNH,20)(CRNM(K1),K1=1,6),LN
   FORMAT(' HEADER RECORD FOR CUM. AVE. REPORT 14 CODE SC, 'SA ,
   ' VOLUME NO. ',I3)

```

```

+-----+
+      I
+      +-----+
+      + DO
+      +-----+
+      + 3000
+      +-----+
+      + JNF=1,NF
+      +-----+

```

```

+
+      ***READ(ISCRAI'JNF) CSN,(CUMSL(K),CUMNL(K),K=1,4)
+

```

```

+      ***WRITE(IPUNH,10) CSN,(CUMSL(K),CUMNL(K),K=1,4)
+

```

```

3000 *****CONTINUE

```

```

***RETURN

```

```

END

```

```

SUBROUTINE GETREC(RP,LN,RLN,NF,NC,CTQT,OC)

```

```

INTEGER*2 RP,NF,NC,CTQT,LN

```

```

INTEGER*2 OS(185,11),OC(185)

```

```

+
+      I
+      (CONTINUED ON PAGE 60)

```

DATA PROCESSING LOGIC MANUAL \*\*\*\* A.I.M.S. VERSION 111 \*\*\*\*

```

      I
      INTEGER*2 GRAD,RLN,CSN,RSG,RTP,EG
      INTEGER*2 OUTCHK(10),KST
      INTEGER*2 CRNY(6)
      INTEGER*2 CID(5)/1,2,3,10,11/
  
```

```

      +-----+
      + DO      +
      +-----+
      + DO      +
      +-----+
      + K01=1,NF +
      +-----+
      + I      +
      + I      +
      +-----+
      + I OC(K01) =0 +
      +-----+
      + I      +
      + I      +
      +-----+
      + DO      +
      +-----+
      + DO      +
      +-----+
      + K02=1,11 +
      +-----+
      + I      +
      + I      +
      +-----+
      + I DS(K01,K02) =0 +
      +-----+
      + I      +
  
```

1000 \*\*\*\*\*CONTINUE

1000 CONTINUE

CALL GRADE (GRAD,RLN,CSN,RSG,RTP,EG)

```

      I
      I
      . * * .
      . * IF * .
      * (EG.NE.0) *
      I * . * 1
      I * . * 1
      I * . * 1
      - I 0 I + I
      -----
      I GOTO1010 I I I I
      -----
  
```

CALL CHECK (CSN,RTP,RSG)

```

      I
      -----
      I INJ =OID(RTP+2*(RSG-1))
      -----
  
```

PROGRAM LERIC MANUAL \*\*\* A.I.T.S. VERSION III \*\*\*

I  
US(CSN,I)=GRAP  
I

-----  
I 2000I  
-----

CONTINUE

I  
+-----+  
+ 00 +  
+++++++ 2200 +  
+ KST=1,NF +  
+-----+  
+ I  
+  
+ CALL GETCHK(KST,OUTCHK)  
+ I  
+-----+  
+ 00 +  
+++++++ 2300 +  
+ KPI=1,9 +  
+-----+  
+ I  
+ I  
+ I  
+ . \* \* .  
+ . \* IF \* .  
+ \*(OUTCHK(KPI).EQ.1)OC(KST)=OC(KST)  
+ I \* . \* 1  
+ I \* . \* 1  
+ I \* . \* 1  
+ - I 0 I + I  
+-----+  
+ I +1 I I I I  
+-----+

300 ++++++CONTINUE

I  
+ I  
+ . \* \* .  
+ . \* IF \* .  
+ \*(OC(KST).NE.CTOT.AND.OC(KST).NE.0)OC(KST)  
+ I \* . \* 1  
+ I \* . \* 1  
+ I \* . \* 1  
+ - I 0 I + I  
+-----+  
+ I =-2 I I I I  
+-----+

I  
(CONTINUED ON PAGE 62)

```

*** 2- PROGRAM LOGIC MANUAL *** A.I.A.S. VERSION III ***

```

```

200 *****CONTINUE

```

```

100 FORMAT(1X,20I6)

```

```

200 ***RETURN

```

```

ENTRY GRPST

```

```

INTEGER GRPSTT(7,4),J9(7)

```

```

INTEGER*2 STONQ(18,13),STDBCK(66),SN(13),CAP1,STONQ

```

```

EQUIVALENCE (STONQ,STDBCK(2)),(CAP1,STDBCK(26)),(SN,STDBCK(5))

```

```

I WT =3

```

```

I NCRPC=0

```

```

I

```

```

I

```

```

+-----+
+ DO +

```

```

+++++++ 3000 +

```

```

+ NGT=1,7 +

```

```

+-----+

```

```

I

```

```

I

```

```

+-----+

```

```

I GRPSTT(NGT,1) =1000 I

```

```

I GRPSTT(NGT,2) =0 I

```

```

I GRPSTT(NGT,3) =-1000 I

```

```

I GRPSTT(NGT,4) =0 I

```

```

+-----+

```

```

I

```

```

I

```

```

100 *****CONTINUE

```

```

I

```

```

I IBCK =9

```

```

I

```

```

I

```

```

+-----+
+ DO +

```

```

+++++++ 2110 +

```

```

+ K9=1,NF +

```

```

+-----+

```

```

I

```

```

I

```

```

***READ(IBCK*K9)STDBCK

```

```

I

```

```

(CONTINUED ON PAGE 63)

```

\*\*\*\*\* PROGRAM LOGIC MANUAL \*\*\*\*\* 4.1.2.5. VERSION III \*\*\*\*\*

```

+
+      I
+      I
+      I
+      . * * .
+      . * IF * .
+      *(STORCK(24).EQ.1)OC(STORCK)

```

```

+      I * .      . * I
+      I      * .      . * I
+      I      * . *      I
+      - I      C I      + I
+-----+-----+-----+
+ I =-1 I      I      I      I
+-----+-----+-----+

```

```

+
+      I
+      I
+      . * * .
+      . * IF * .
+      *(CAPIN.EQ.-999)OC(STORCK)

```

```

+      I * .      . * I
+      I      * .      . * I
+      I      * . *      I
+      - I      C I      + I
+-----+-----+-----+
+ I =-2 I      I      I      I
+-----+-----+-----+

```

```

+
+      I
+-----+-----+-----+
+ I OS(STORNO,I) =CAPIN      I
+-----+-----+-----+

```

```

+
+      I
+      I
+      +-----+
+      + DO      +
+      +-----+
+      + DO      +
+      +-----+
+      + K8=1,13  +
+      +-----+
+      I

```

```

+      STDNAME(STORNO,K8)= SN(K8)

```

20 \*\*\*\*\*CONTINUE

10 \*\*\*\*\*CONTINUE

```

+
+      I
+      I
+      +-----+
+      + DO      +
+      +-----+
+      + DO      +
+      +-----+
+      + KSTC=1,NF  +
+      +-----+
+      I
+      I

```

(CONTINUED ON PAGE 64)

```

+
+
++++++CONTINUE
+
+
+-----+
+   00      +
+++++++ 3020    +
+ NGT=1,7     +
+-----+
+
+
+
+-----+
+ GRPSTT(NGT,1) =MINO(GRPSTT(NGT,1),JD(NGT))
+ GRPSTT(NGT,3) =MAXO(GRPSTT(NGT,3),JD(NGT))
+ GRPSTT(NGT,4) =GRPSTT(NGT,4)+JD(NGT) I

```

```
+          I  
+-----  
+ I NGRPC=NGRPC+1
```

\*\*\*\* PROGRAM LOGIC MANUAL \*\*\*\* A.I.P.S. VERSION 1.111 \*\*\*\*

100 \*\*\*\*\*CONTINUE

```

      I
      I
      . * * .
      . * (NGRPC-10.0) *
      I * . * * 1
      1 * . * * 1
      1 * . * * 1
      - 1      0 1      + 1
-----
I GOTU1050  I      I      I      I
-----

```

```

      I
      +-----+
      + DO      +
+++++++ 3030      +
+      + NGT=1,7      +
+      +-----+
+      I
+
+      GRPSTT(NGT,2) = GRPSTT(NGT,4)/NGRPC
+

```

1030 \*\*\*\*\*CONTINUE

```

      I
-----
I GRPSTT(3,2) =GRPSTT(2,2)-GRPSTT(1,2)  I
I GRPSTT(4,2) =GRPSTT(7,2)-GRPSTT(1,2)  I
-----
      I
      I
      +-----+
      + DO      +
+++++++ 3040      +
+      + KSTD=1,NF      +
+      +-----+
+      I
+      I
+
+      I OS(KSTD,4) =OS(KSTD,3)-GRPSTT(3,2)  I
+      I OS(KSTD,9) =OS(KSTD,8)-GRPSTT(4,2)  I
+
+      I
+

```

1040 \*\*\*\*\*CONTINUE

1050 \*\*\*RETURN

ENTRY REP13(CRNM)

```

      I
-----
I IKPT =13      I
I IPAG =1      I
-----

```

(CONTINUED ON PAGE 66)

CELL H-4 JPS (IRPT, IPA.)

```

**WRITE(IOTPT,510) (GRPST(K),K=1,5),LA
FORMAT(20X,'*** VOLUME STATISTICS ***',/,10X,'COURSE',/,10X,
10X,'VOLUME NO.',/,10X,/,20X,'MINIMUM',10X,'MAXIMUM',10X,/,10X,
WRITE(IOTPT,520) (GRPST(1,KD),KD=1,3),
(GRPST(2,KD),KD=1,3),
GRPST(3,2),
(GRPST(4,KD),KD=1,3),
(GRPST(5,KD),KD=1,3),
GRPST(7,2),
GRPST(4,2)

```

```

520      FOR IAT(IX,'CAPABILITY INDEX',
           IX,'PERFORMANCE INDEX',
           IX,'PERFORMANCE DEVIATION',
           IX,'PROBLEM ACHIEVEMENT',
           IX,'POST TEST ACHIEVEMENT',
           IX,'NET ACHIEVEMENT INDEX',
           IX,'ACHIEVEMENT DEVIATION',
           T20,3(I3,IX),/,
           T20,3(I3,IOX),/,
           I30,I3,/,
           T20,3(I3,IOX),/,
           T20,3(I3,IOX),/,
           T30,I3,/,
           T30,I3)

```

\*\*\*BTUR 1

ENTRY GETRES(JSTD,S',OUTPUT,KDROP,TESTC)

```
INTEGER*2 OUTPUT(13),JSTD,KDRCP,IFSTCT,SM(15)
```

```

      I
      +-----+
      + 0.1      +
+++++++ 4000      +
      + K1=1.9    +
      +-----+
      I
      I
-----
I OUTPUT(K1) =G5(JSTD,K1)
-----
      I

```

400 ++++++CONTINUE

```

      I
      +-----+
      + 00      +
+++++ 4010      +
      + K1=1,13  +
      +-----+
      I
      I
-----
I SM(K1) = STONMF(JSTD,K1)
-----
      I

```

019 \*\*\*\*\*CONTINUE





215

**I**

1

**l**

I

**1**

1

1

I

1



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```

      I
      +-----+
      + 00      +
+++++++ 3030      +
      + K=1, CHU      +
      +-----+
      I
      I
-----
I HORC(K) - HORC(TPE,K)
-----
      I

```

```

      I
-----
      I GRAB =SUMBER(QRD,NUMSP(TFL),HORCD,ANE)

```

I

---

I FG = 1 I

---

I

|      |      |   |
|------|------|---|
| I    |      | I |
| I EG | =-I  | I |
| I LN | =RLN | I |

THE TRUTH IS THAT 700

\*\*\* PLOTTER LOGIC MANUAL \*\*\* C.I.L. 1.0.0. VER. 1.0.0. ILL \*\*\*

I  
 \*\*\*WRITE(10TPT,515)

I  
 +-----+  
 + 00 +  
 +-----+  
 + 2010 +  
 + K2=1,12 +  
 +-----+

I  
 I  
 +-----+  
 I NUMGT(K2) =1 I  
 +-----+

I  
 I  
 +-----+  
 + 00 +  
 +-----+  
 + 2010 +  
 + K3=1,48 +  
 +-----+

I  
 I  
 +-----+  
 I HORG(K2,K3) =0 I  
 +-----+

010 ++++++CONTINUE

I  
 +-----+  
 I CTQT =0 I  
 +-----+

I  
 I  
 +-----+  
 + 00 +  
 +-----+  
 + 1500 +  
 + KT=1,5 +  
 +-----+

I  
 I  
 +-----+  
 I SG =1 I  
 +-----+

(CONTINUED ON PAGE 71)

\*\*\* P. 0314 LOGIC MANUAL \*\*\* A.I.C.G. VERSION III \*\*\*

```

+
+      I
+      I
+      I
+      . * * .
+      . * IF * .
+      * (TP(KT).LE.0. OR TP(KT).GT.5)
+      I * .      * 1
+      I      * .      * 1
+      I      * . *      I
+      - I      C I      + I
+-----+-----+-----+
+ GETP100 I      I      I      I
+-----+-----+-----+

```

```

+
+      I
+      I
+      . * * .
+      . * IF * .
+      * (TP(KT).NE.4) *
+      I * .      * 1
+      I      * .      * 1
+      I      * . *      I
+      - I      C I      + I
+-----+-----+-----+
+ GETP150 I      I      I      I
+-----+-----+-----+

```

520

```

+
+      +-----+
+      + PC      +
+ ++++++ 1540 +
+      + S% = 1, ST +
+      +-----+
+      I
+      I
+-----+-----+-----+
+ S% = SM I
+-----+-----+-----+

```

530

```

+
+      CALL GETIT(HR, LN, SG, TP(KT), FILES, EH)
+      I
+      I
+      . * * .
+      . * IF * .
+      * (EH.NE.0) WRITE(10TPT, 510) EH, LN, TP(KT)
+      I * .      * 1
+      I      * .      * 1
+      I      * . *      I
+      - I      C I      + I
+-----+-----+-----+
+ I      I      I SG I      I
+-----+-----+-----+

```

```

+
+      I
+-----+-----+-----+
+ TP% = TP(KT) + 2*(SG-1) I
+-----+-----+-----+

```

```

+
+          I
+          I
+      +-----+
+    + 00             +
+++++++ 156C         +
+    + KJ=1,48       +
+      +-----+

```

† I

```

+
+      I
+      -----
+      I CTQT =CTQT+1
+      I NUMQT(TPE) =CMT
+      I NUMRSP(TPE) =HR(11)
+

```

|   |   |
|---|---|
| † | f |
| † | r |
| † | l |

```

+      +      +      +
+      . * . IF * .
+      * (IP(KI),4F,4) *
+      L * . * L
+      . L * . * L
+      L * * L
+      - L 0 L + L

```

+ I 60761500 I I I I

\*\*\*RETURN

```

FORMAT(1H1)

```

FUNCTION SUMGRD(Q,N,H,A)

```
INTEGER*2 Q,H(48),A(48),N,K
```

```
INTEGER*2 IPASS,SUMGRD,ICORR,NP,D(11),SCORR,SNP,INCORR
```

I SURR=0

\*\*\*\* PROGRAM LOGIC MANUAL \*\*\*\* A.I.M.S. VERSION 111 \*\*\*\*

```

      I
      SMP=0
      I
      +-----+
      + 00      +
      +-----+
      + 1000    +
      + K=1,0    +
      +-----+
      I
      I
      +-----+
      I ICORR=IPASS(H(K),A(K),NP,N)      I
      I SCORR=SCORR+ICORR                I
      I SMP =SMP+NP                      I
      +-----+
      I
      I
      1010 *****CONTINUE
      I
      +-----+
      I INCORR =SMP-SCORR                I
      I SUMORD =(SCORR*100-(Q*INCORR*100) I
      +-----+
      I

```

\*\*\*RETURN

END

SUBROUTINE REP15

IMPLICIT INTEGER\*2 (K)

INTEGER\*2 NINFIL,NINCRS

INTEGER\*2 OUTPUT(185,10),PTLF(185,2),HML1(185,2),OUTCTR(185)

INTEGER\*2 STDBCK(65),STONMF(13),CRNM(6),TP(5)

INTEGER\*2 DUTCHK(10),CTPI,NHW,NPT,CAPIN

INTEGER\*2 RP,LN,ST,SC,GRAD,RIN,CSN,RSQ,RTP,JC,EH,INO,CTQT,LLN

INTEGER\*2 SECT(2),GROP(2),STONQ,CUMAV

INTEGER\*2 SUBOUT(2)/\* ,\*\*\*/

INTEGER\*2 DID(12)/1,9,8,2,7,3,10,4,10,5,10,6/

INTEGER INPTC/1/,IDTPT/3/,IRESPT/4/,IAINSY/12/,IORPT  
EQUIVALENCE (STONMF(1),STDBCK(5)),(STONQ,STDBCK(2))

EQUIVALENCE (KDROP,STDBCK(24)),(CAPIN,STDBCK(25))

EQUIVALENCE (SECT(1),STDBCK(42)),(GROP(1),STDBCK(44))

```

      I
      +-----+
      I I = T = 1

```

\*\*\* PROGRAM LOGIC MANUAL \*\*\* A.L.P.S. VOLUME III \*\*\*

I

\*\*\*READ(INPSY,1) NINFIL,NINOPS

\*\*\*READ(INPTC,10) KD,LM,ST,SC,(TP(K),K=1,5),(CPT(K),K=1,5),D=DI

\*\*\*READ(INPTC,13) LLN

READ(INPIC,14) ((PILT(K1,K2),K2=1,2),(MILT(K1,K2),K2=1,2),  
K1=1,NINFIL)

2070

CONTINUE

I

I JSTO =1

I IPGF =1

I

I

+-----+

+ DO +

+++++++ 2020 +

+ KDUM7=1,NINFIL +

+ +-----+

+ I

+ I

+ +-----+

+ I OUTCTN(KDUM7) =0

+ +-----+

+ I

+ I

+ +-----+

+ DO +

+++++++ 2020 +

+ KDUM8=1,10 +

+ +-----+

+ I

+ I

+ OUTPUT(KDUM7,KDUM8)=0

+ +-----+

020 ++++++CONTINUE

CALL HFDRFI(LN,ST,TP,CTQT,EH)

CALL SUBMIT(TP,ST)

I

I KREAD=NINFIL\*CTQT

I

I

+-----+

+ DO +

+++++++ 2000 +

+ KDUM4=1,KREAD +

+ +-----+

+ I

+ I

LOGGING ON PAGE 76



\*\*\* PROGRAM IN JIC SERIAL \*\*\*\* 2.1.4.5. V 851. III 10000 10000 10000

```

+
+      I
+
+      CALL GRAD1(GRAD,RLP,CSN,PSG,RTP,PL)
+
+      I
+
+      . * * .
+      . * IF * .
+      * (FG.NE.C) *
+      I * . * 1
+      I * . * 1
+      I * * I
+      - I 0 I + I
+
+-----+
+ I GOT101 I I I I
+-----+
+
+
+      CALL CHECK(CSN,RTP,RSG)
+
+      I
+
+-----+
+ I IND =DID(RTP+2*(RSG-1)) I
+-----+
+
+      I
+
+      OUTPUT(CSN,IND)=GRAD
+
+      I
+
+-----+
+ I OUTCTN(CSN) =OUTCTN(CSN)+1 I
+-----+
+
+      I
+
+
+0000 ++++++CONTINUE
+
+010  CONTINUE
+
+      I
+
+-----+
+ I JDUM2=(NINFIL/45)+1 I
+-----+
+
+      I
+
+      +-----+
+      + 90 +
+ ++++++ 1100 +
+      + JDUM1=1,JDUM2+
+      +-----+
+
+      I
+
+
+      CALL HEADPG(IRPT,IPGE)
+
+
+      ***WRITE(IOTPT,510)
+
+
+      ***WRITE(IOTPT,515)(CRNM(K2),K2=1,6),LN
+
+
+      ***WRITE(IOTPT,501)
+
+
+      ***WRITE(IOTPT,530)
+
+      I
+
+      (CONTINUED ON PAGE 76)

```

\*\*\* PROGRAM LOGIC MANUAL \*\*\* A.I. .S. VERSION 101 \*\*\*

PAGE 7

```

+
+       I
+       I
+       +-----+
+       + 00      +
+ ++++++ 1000    +
+       + JOUR=1,45 +
+       +-----+
+       I
+
+ ***READ( ? JSTD) STDSCK
+       I
+       I
+       . * .
+       . * IF      *
+       . * (KORUP.EC.1) *
+       } * .      * I
+       I * .      * I
+       I * .      * I
+       - I      0 I      + I
+
+ -----
+ I GOTO1030 I I I I
+ -----
+
+       I
+       I
+       . * .
+       . * IF      *
+       . * (QUIC TN( STDNQ).LE.0)
+       I * .      * I
+       I * .      * I
+       I * .      * I
+       - I      0 I      + I
+
+ -----
+ I GOTO1040 I I I I
+ -----
+
+
+ CALL GETCHK( STDNQ, OUTCHK)
+       I
+
+ -----
+ I CTP1 =0 I
+ I SUMAVE =0 I
+ -----
+
+       I
+       I
+       +-----+
+       + 00      +
+ ++++++ 1060    +
+       + KAVE=2,8 +
+       +-----+
+       I
+       I
+
+ (CONTINUED ON PAGE 77)

```

```
+      I  
+-----  
+      I SUMAVE =SUMAVE+ INPUT( STEND,KAVE)          I
```

```

++++++CONTINUE
+               I
+               I
+             * *
+           . * IF * .
+         * (CTPI.EQ.0) *
+       I * . - * I
+     I   * . * I
+   I     * . * I
+ - I      O I + I
+-----
+ I CTPII I I I I

```

```

+      OUTPUT(STONO,10)=SUMAVE/CIP1
+      I
+      -----
+      I PTLT(STONO,1) =PTLT(STONO,1)+OUTPUT(STONO,9)
+      I HWLT(STONO,1) =HWLT(STONO,1)+OUTPUT(STONO,8)
+      I CUMAV=0
+      I NPT =1
+      I NHW =1
+

```

+ I  
+ I  
(CONTINUED ON PAGE 78)

```

+ CUMAV = 3*HWT(STONO,1)/(HWT(STONO,2)*10)+
+       7*PTLT(STONO,1)/(PTLT(STONO,2)*10)
+ WRITE(IGRPT,520) (STONAME(K4),K4=1,13),SECT(1),SECT(2),GROUP(2),
+ STONO,
+ (OUTPUT(STONO,K4),SUBOUT(OUTCHK(K4)),K4=1,10),CUMAV,CAPIN
+ IF(IGRPT.NE.0)
+ WRITE(IGRPT,521) LN, (STONAME(K),K=1,13),SECT(1),SECT(2),GROUP(2),
+ STONO, (OUTPUT(STONO,K4),SUBOUT(OUTCHK(K4)),K4=1,10),CUMAV,
+ CAPIN, (CAPIN-CAPIN),SUBOUT(OUTCHK(K4))

```

+  
+ I  
+ I  
+ -----  
+ I 10791  
+

1  
-----  
110701

```

+      I
+      I
+      . * .
+      . IF * .
+      *(JSTD-GE.NINFIL) *
+      I * . * I
+      I * . * I
+      I * * I
+      - I O I + I
+ -----
+ I GOTOLLOO I I I I

```

|         |         |         |
|---------|---------|---------|
|         | I       |         |
|         | I       |         |
|         | *       | *       |
| .       | IF      | *       |
| * *     | (EG)    | *       |
| I *     |         | *       |
| I *     |         | I       |
| I       | *       | I       |
| - I     | O I     | + I     |
| -----   | -----   | -----   |
| I 2040I | I 2040I | I 2060I |



ERIC  
Full Text Provided by ERIC

\*\*\* PROGRAM LOGIC MANUAL \*\*\* A.P.M.S. VERSION III \*\*\*

I

040

CONTINUE

I

I LN =RLN

I

I

I

I 20701

060

CONTINUE

I

I IPUNH=?

I

I

\*\*\*READ(INPTC,13)

\*\*\*WRITE(IPUNH,15) (CRNM(K6),K6=1,6),LN

\*\*\*WRITE(IPUNH,14) ((PTL1(K1,K2),K2=1,2),(PTL2(K1,K2),K2=1,2),  
K1=1,NINFIL)

I

I

\* \*

\* IF \*

\* (IGRPT.NE.0) \*

1 \* \*

1 \* \*

1 \* \*

- 1 0 1 + 1

I ENDFILEIGRIT I I I

15

FORMAT(1X,'THIS IS HEADER RECORD FOR COM. AVE., COURSE. ',6A2,  
'NO.',12)

10

FORMAT(12,7X,312,511,9X,6A2,8X,12)

13

FORMAT(62X,12)

14

FORMAT(10(15,13))

501

FORMAT(1H0)

510

FORMAT(/,50X,'\*\*\* VOLUME SUMMARY \*\*\*')

515

FORMAT(//,40X,'COURSE, ',6A2,5X,'VOLUME NO. ',13,/,20X,'NOTE,  
THE \*\* SIGNIFIES THAT NO MATERIALS HAVE BEEN SUBMITTED FOR PROCESS  
( \*\* )

**f**

-210

200 \*\*\*\*\*CONTINUE

320

1. The first group of people who are not included in the sample are those who are not registered in the population register. This group is excluded because the population register is the source of the sample frame.



\*\*\*\*\* PROGRAM L SIG MANUAL \*\*\*\*\*

LINE 1

BACKSPACE IOTPT

\*\*\*\*\*

ENTRY IDEF1(LF,ST,IE,CTAT,IE)

\*\*\*\*\* IOTPT,515

I

-----+

+ 00 +

+++++++ 2010 +

+ K2=1,16 +

-----+

I

I

-----

I KURT(K2) =1 I

I

I

-----+

+ 00 +

+++++++ 2010 +

+ K3=1,42 +

-----+

I

I

-----

I HRC(K2,K3) =0 I

I

I

2010 \*\*\*\*\*CONTINUE

I

-----

I CTQT =0 I

I

I

-----+

+ 00 +

+++++++ 1500 +

+ KI=1,5 +

-----+

I

I

-----

I S6 =1 I

I

I

(CONTINUED ON PAGE 84)

$$\begin{array}{cccccccc} + & & 1 & * & & & & 1 \\ + & & 1 & & * & & & 1 \\ + & & 1 & & & * & & 1 \\ + & - & 1 & & & & 0 & 1 & + & 1 \end{array}$$

+  
 +  
 +  
 +

\* (TP(KT).MF.4) \*  
 1 \* - \* 1  
 1 \* \* \* \* 1  
 1 \* \* \* \* 1

+  
 +  
 +  
 +-----+  
 + 00 +  
 ++++++ 1540 +

```

+          + SM=1, ST          +
+          +-----+          +
+          |                  |
+          |                  |
+          |                  |

```

```
+
+           I
+
+ CALL GETIT(PR,LN,SG,TP(KT),FILES,EH)
+           I
```

[illegible]

```

+
+
+-----+
+ I TPE  =TP(KT)+2*(SG-1)
+-----+
+

```

\*\*\* PROGRAM LG 10 MANUAL \*\*\* 3.1.1.1. WENTON III 1984

```

+
+           I
+           I
+       +-----+
+       + DO          +
+++++++ 1550      +
+       KL=1,40     +
+       +-----+
+           I
+           I
+-----+-----+
+ HOPC(TPF,KL) =P5(17+K1)
+-----+-----+
+           I
+

```

157 \*\*\*\*\*CUTLINE

```

+      I
+-----+-----+-----+
+      I CTQT =CTLT+1
+      I JQ=OT(TPE) =QSQ
+-----+-----+-----+
+      I
+      I
+      I
+      . * .
+      . * IF * .
+      * (TP(KT).AC.4) *
+      1 * . * 1
+      1 * . * 1
+      1 * . * 1
+      - 1 0 1 + 1
+-----+-----+-----+
+      I OUTBISC? I I I
+-----+-----+-----+

```

1943 +++++CONFIDENTIAL

100 +++++CONTINUED

\*\*\* FIVE \*\*\*

```

FORMAT(' *** WARNING *** ERROR IN OBTAINING HEADER RECORD, ',I2,' ',I2,' LESSON.',I2,' TYPE.',I2,' SEGMENT.',I2)

```

515                   FORMAT(161)

END

\* SUBROUTINE RCP16

```

      IMPLICIT INTEGER*2 (K)

```

```
INTEGER*7 SUBOUT(12),STDVME(13),CRNM(6),TP(6)
```

```
INTLGE2  OUTPUT(12),CSM
```

(CONTINUED ON PAGE 86)

\*\*\* PROGRAM LOGIC MANUAL \*\*\* A.I. S.S. (P. 10, 11) 8-66

I

INTEGER#2 ID(2,2),LID(2,2),LLN

INTEGER#2 RP, LN, ST, SC

INTEGER IGRPT/1/, IGRPT/3/, IGRPT/4/, IGRPT/12/, IGRPT

DATA ID(2,1)/' ' /, LID(2,1)/' ' /

I

I IGRPT = 15

I

\*\*\*READ(IGRPT,1) RP, LN, ST, SC, (TP(K), K=1,5), (CMM(K), K=1,5), IGRPT

READ(IGRPT,521)

LN = (STOMF(K), K=1,13), (IG(1,K), K=1,2), ID(2,2) , CSM,

(GRPT(K), SUROUT(K), K=1,12)

CONTINUE

I

I LN = LN

I

I

+-----+

+ DO +

+++++ 6000 +

+ J=1,2 +

+-----+

+ I

+ I

+-----+

+ DO +

+++++ 6000 +

+ K=1,2 +

+-----+

+ I

+ I

+-----+

+ LID(J,K) = ID(J,K) +

+-----+

+ I

+ I

+++++CONTINUE

BACKSPACE IGRPT

I

I IGRPT = 1

I

CONTINUE

I

(CONTINUED ON PAGE 87)

\*\*\*\*\* PROGRAM LOGIC MANUAL \*\*\*\*\* A.I.A.S. VERSION III \*\*\*\*\*

```

      I
      CALL HEADPG(IPT,IPGF)

      ***WRITE(IOTPT,510)

      ***WRITE(IOTPT,515)(CPNM(K),K=1,6),1

      ***WRITE(IOTPT,501)

      ***WRITE(IOTPT,520)
      I
      +-----+
      + 00      +
      +-----+
      +-----+
      + 1000      +
      +-----+
      + JUMP=1,45  +
      +-----+
      I
      RPAQ(IGRPT,521,END)=999
      LN , (STNAME(K),K=1,13), (ID(1,K),K=1,2), ID(2,2) , CS ,
      (OUTPUT(K),SUBOUT(K),K=1,12)
      I
      I
      . * * .
      . * IF * .
      . * (LLN.NE.LN) *
      I * .
      I * .
      I * *
      - I 0 I + I
      +-----+
      + I GOTO1000 I I I I
      +-----+
      I
      +-----+
      + 00      +
      +-----+
      +-----+
      + 4000      +
      +-----+
      + K=1,2      +
      +-----+
      I
      I
      I
      . * * .
      . * IF * .
      . * (ID(SC,K).NE.LID(SC,K))
      I * .
      I * .
      I * *
      - I 0 I + I
      +-----+
      + I GOTO1000 I I I I
      +-----+
      I

```

(CONTINUED ON PAGE 88)

```

*** PED COM LITIC MANUAL *** LITIC VOLUME 111

```

+

I

+

```

1000 *****CONTINUE

```

+

I

+

```

I LLN =LN

```

+

I

+

I

+

```

+-----+

```

+

+ DO

+

```

+++++++ 2000

```

+

+ J=1,2

+

```

+-----+

```

+

I

+

I

+

```

+-----+

```

+

+ DO

+

```

+++++++ 2000

```

+

+ K=1,2

+

```

+-----+

```

+

I

+

I

+

```

I I ID(J,K) =ID(J,K)

```

+

I

+

I

+

```

2000 *****CONTINUE

```

+

```

WRITE(IGTPT,520)

```

+

```

(STNAME(K),K=1,13),(ID(1,K),K=1,2),(ID(2,2) : CSN,

```

+

```

(OUTPUT(K),SUBOUT(K),K=1,12)

```

+

```

3000 *****CONTINUE

```

+

I

+

```

I 50001

```

+

```

FORMAT(I2,7X,3I2,5I1,9X,2A2,8X,12)

```

501

```

FORMAT(1H0)

```

510

```

FORMAT(/,50X,'*** VOLUME SUMMARY ***')

```

515

```

FORMAT(/,40X,'COURSE',1,6A2,5X,'VOLUME NO.',1,A2,/,20X,'NOTE,
THE ** SIGNIFIES THAT NO MATERIALS HAVE BEEN SUBMITTED FOR PROCESS
ING')

```

520

```

FORMAT(1X,12A2,A1,3A2,A3,12(2X,A4,A2))

```

521

```

FORMAT(A2,12A2,A1,2A2,A2,A3,12(A4,A2))

```

530

```

FORMAT(10X,'STUDENT',15X,'CSN PRE.',5(3X,'STUDY'),
' ASSIGN HOME POST PERF. CUM. CAPL.',/,
37X,'TEST GDE(1) GDE(2) GDE(3) GDE(4) GDE(5)',
11X,'WORK TEST INDEX AVE. INDEX')

```

\*\*\* PROGRAM LOGIC MANUAL \*\*\* A.I.E.S. VERNI 111 \*\*\*

1

40 FORMAT(IX,12A2,A1,6X,I3,6X,'STUDENT OF PREP')

500 FORMAT(IX,12A2,A1,6X,I3,6X,'THIS STUDENT DOES NOT HAVE ANY OF THE  
LS TO BE PROCESSED')

\*\*\*RETURN

END

20191

BACK-TRACK FOLLOWS- ROUTINE ISN SEC. 14 PG. 15 L. 6 C. 1  
1800 92003070 00005552 00001021 00000000  
MAINPC  
PRINT= 00001FL6